

**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION
WEEKLY REPORT
Williams AFB ST012**

Site No.: 9101-11-0001

Week Ending 18 November 2016

I. SITE SUBCONTRACTOR SUMMARY

Company	Sat	Sun	Mon	Tue	Wed	Thu	Fri
Amec Foster Wheeler			X	X	X	X	X
Terra Therm							
MP Environmental			X	X	X	X	X
Yellow Jacket	X	X	X	X	X	X	X

II. SCHEDULE / SITE ACTIVITIES REVIEW

A. SEE Demolition

- Removal of SEE piping in the vicinity of the containment system treatment equipment

B. Well Drilling and Development

- Drilled and installed the following characterization wells (development to follow):
 1. CZ23
- Extraction pumps installed this week:
 1. UWBZ22
 2. UWBZ27
 3. LSZ11
 4. LSZ37
 5. LSZ39

C. EBR Construction - None

D. Containment System Construction

- Repaired and placed oil water separator in final location
- Power wired from panel to process equipment area
- Continued plumbing of oil water separator and air stripper piping

E. Sampling/Monitoring

- SEE/EBR well LNAPL monitoring/removal

F. SVE System Operation/Optimization

- Routine operation
- Operated the flame-oxidizer in parallel with the thermal oxidizer.
 1. There were three shutdowns of the thermal oxidizer this week.
 - a. On 10 November 2016, the thermal oxidizer shut down due to a high lower explosive limit (LEL) alarm. The system restarted successfully.
 - b. On 14 November 2016, the thermal oxidizer shut down due to a high LEL alarm. The system restarted successfully.
 - c. On 17 November 2016, the thermal oxidizer shut down due to a high LEL alarm. The system restarted successfully.
 2. There were no shutdowns of the flame oxidizer this week.

III. SVE OPERATING DATA

A. Thermal Oxidizer Destruction Efficiency/Mass Removal Summary

The destruction efficiency and mass removal calculations for the thermal oxidizer are tabulated below. A correction factor was applied to PID readings based on available analytical data and corresponding PID data. This factor is updated each time new analytical data is available and may retroactively alter previously reported data.

Date Period Began	Date Period Ended	Days in Period	Time Thermal Oxidizer Operated	Thermal Oxidizer Uptime	Influent Concentration (PID)	Influent Concentration (Adjusted PID) ^(a)	Effluent Concentration (PID)	Effluent Concentration (Adjusted PID) ^(a)	Calculated Destruction Efficiency ^(a)	Flowrate into Oxidizer (End of Period) ^(a)	Estimated VOC Mass Removed ^(b)	Average Daily Removal Rate ^(b)	Estimated VOC Mass Released to Atmosphere ^(b)	Average VOC Mass Released to Atmosphere ^(b)
---	---	days	hrs	%	ppmv	mg/m ³	ppmv	mg/m ³	%	scfm	lbs/period	lbs/day	lbs/period	lbs/day
4/7/2016	4/15/2016	7	112	63%	560	10,776	4.6	4.2	99.96%	1,396	6,312	847	2	0.33
4/15/2016	4/21/2016	6	147	100%	342	6,581	1.0	0.9	99.99%	1,571	5,692	929	0.8	0.13
4/21/2016	4/29/2016	8	188	99%	296	5,696	2.6	2.4	99.96%	1,396	5,600	711	2.3	0.29
4/29/2016	5/5/2016	6	130	90%	179	3,445	1.6	1.5	99.96%	1,396	2,342	390	1.0	0.16
5/5/2016	5/20/2016	15	323	90%	394	7,582	0.5	0.5	99.99%	1,047	9,605	640	0.6	0.04
5/20/2016	5/26/2016	6	146	100%	699	14,913	42.2	38	99.74%	698	5,693	936	14.6	2.40
5/26/2016	6/2/2016	7	166	99%	340	7,254	62.2	56	99.22%	698	3,149	450	24.5	3.50
6/2/2016	6/10/2016	8	164	85%	679	10,931	1.2	1.1	99.99%	1,309	8,791	1,099	0.9	0.11
6/10/2016	6/17/2016	7	167	99%	462	7,438	12.7	12	99.85%	1,047	4,872	696	7.5	1.08
6/17/2016	6/24/2016	7	165	98%	179	2,882	0.6	0.5	99.98%	1,466	2,611	373	0.5	0.07
6/24/2016	6/27/2016	3	74	100%	431	8,516	0.0	0.0	>99.99%	1,920	4,533	1,470	0.0	0.00
6/27/2016	6/29/2016	2	47	100%	N/A	8,516	N/A	0.0	>99.99%	1,152	1,727	882	0.0	0.00
6/29/2016	7/8/2016	9	215	100%	697	13,772	0.2	0.3	>99.99%	524	5,812	649	0.1	0.01
7/8/2016	7/14/2016	6	128	89%	1080	23,314	1.3	1.8	99.99%	489	5,467	911	0.4	0.07
7/14/2016	7/22/2016	8	56	29%	848	18,306	7.6	10	99.94%	698	2,680	335	1.5	0.19
7/22/2016	7/29/2016	7	163	97%	636	16,947	10.2	14	99.92%	628	6,499	928	5.3	0.76
7/29/2016	8/4/2016	6	84	58%	681	18,146	1.5	2	99.99%	1,466	8,370	1,395	0.9	0.16
8/4/2016	8/11/2016	7	168	100%	475	17,982	1.2	2	99.99%	698	7,899	1,128	0.7	0.10
8/11/2016	8/18/2016	7	120	71%	476	18,020	1.6	2	99.99%	768	6,221	889	0.8	0.11
8/18/2016	8/25/2016	7	168	100%	285	10,789	2.2	3	99.97%	628	4,266	609	1.2	0.17
8/25/2016	9/1/2016	7	167	99%	498	17,548	1.4	2	99.99%	489	5,368	767	0.6	0.08
9/1/2016	9/8/2016	7	169	100%	986	34,744	3.7	5	99.99%	986	21,689	3,080	3.2	0.45
9/8/2016	9/15/2016	7	145	87%	605	21,319	12.5	17	99.92%	419	4,850	697	3.9	0.56
9/15/2016	9/22/2016	7	169	100%	454	15,821	18.4	72 *	99.55%	419	4,195	596	19.0	2.69
9/22/2016	9/29/2016	7	167	99%	475	16,553	18.5	72 *	99.57%	628	6,503	929	28.2	4.04
9/29/2016	10/6/2016	7	166	99%	805	15,402	1.9	7 *	99.95%	628	6,015	859	2.9	0.41
10/6/2016	10/13/2016	7	165	98%	578	11,059	1.1	4 *	99.96%	489	3,343	478	1.3	0.18
10/13/2016	10/20/2016	7	136	81%	620	8,440	18.8	73 *	99.13%	441	1,896	271	16.4	2.35
10/20/2016	10/27/2016	7	170	100%	699	9,516	1.8	7 *	99.93%	494	2,994	423	2.2	0.31
10/27/2016	11/3/2016	7	166	100%	631	4,915 *	0.8	3 *	99.94%	524	1,601	232	1.0	0.15
11/3/2016	11/10/2016	7	173	100%	602	4,689 *	1.2	5 *	99.90%	489	1,486	206	1.5	0.21

ST012 Weekly Report
 Week Ending 18 November 2016
 Page 4 of 11

Date Period Began	Date Period Ended	Days in Period	Time Thermal Oxidizer Operated	Thermal Oxidizer Uptime	Influent Concentration (PID)	Influent Concentration (Adjusted PID) ^(a)	Effluent Concentration (PID)	Effluent Concentration (Adjusted PID) ^(c,d)	Calculated Destruction Efficiency ^(a)	Flowrate into Oxidizer (End of Period) ^(e)	Estimated VOC Mass Removed ^(b)	Average Daily Removal Rate ^(b)	Estimated VOC Mass Released to Atmosphere ^(b)	Average VOC Mass Released to Atmosphere ^(b)
11/10/2016	11/18/2016	8	160	86%	911	7,095 *	9.6	37 *	99.47%	517	2,199	282	11.6	1.48

Notes:

% - percent
 hrs - hours
 JP-4 - jet petroleum fuel grade four
 lbs - pounds
 mg/m³ - milligrams per cubic meter
 ppmv - parts per million by volume

scfm - standard cubic feet per minute
 TPH - total petroleum hydrocarbons
 PID - photoionization detector
 SVE - soil vapor compound
 VOC - volatile organic compound

* Concentration and associated calculated values may change after receipt of subsequent analytical data.

(a) Calculated destruction efficiencies are calculated using a single sampling event for each week, not using the average influent and effluent results.

(b) Mass and volumes are calculated based on laboratory data for TPH reported as JP-4. As has been the basis for previous calculations at ST012, the average molecular weight of TPH as JP-4 is assumed equivalent to xylene (106.168 grams per mole). The assumed liquid density of the fuel is 6.57 lbs per gallon.

(c) The influent PID correction factor calculation has been revised to reflect a three-value rolling average (the average of the correction factor for the analytical sample collected one event prior, the current event, and one event after). The correction factor for 11 March 2016 has been removed as anomalous during the post-steam operation period based on the subsequent six months of correction factors calculated. The average for the 07 April through 21 April 2016 period incorporates only 25 April and 23 May 2016 correction factors.

(e) To address inconsistencies in influent PID and flow rate measurements, system piping was changed on 13 October 2016. Flow rate measurements prior to this date are reported in acfm, and after this date are reported in scfm.

(f) An incorrect correction factor was used to calculate the Effluent Concentration (Adjusted PID) for the period between 24 June and 8 September 2016. The value has been corrected for that period.

(g) The effluent PID correction factor for the 15 September 2016 sample was anomalous compared to historical values. An average of correction factors from samples before and after this date was used.

B. Flame Oxidizer Destruction Efficiency/Mass Removal Summary

The destruction efficiency and mass removal calculations for the flame oxidizer are tabulated below. A correction factor was applied to PID readings based on available analytical data and corresponding PID data. This factor is updated each time new analytical data is available and may retroactively alter previously reported data.

Date Period Began	Date Period Ended	Days in Period	Time Flame Oxidizer Operated ^(d)	Flame Oxidizer Uptime ^(e)	Influent Concentration (PID)	Influent Concentration (Adjusted PID) ^(f)	Effluent Concentration (PID)	Effluent Concentration (Adjusted PID)	Calculated Destruction Efficiency ^(g)	Flowrate into Oxidizer (End of Period)	Estimated VOC Mass Removed ^(h)	Average Daily Removal Rate ⁽ⁱ⁾	Estimated VOC Mass Released to Atmosphere ^(j)	Average VOC Mass Released to Atmosphere ^(k)
---	---	days	hrs	%	ppmv	mg/m ³	ppmv	mg/m ³	%	scfm	lbs/period	lbs/day	lbs/period	lbs/day
8/4/2016	8/11/2016	7	107	64%	509	13,710	17.1	1.1	99.99%	768	4,219	603	0.3	0.05
8/11/2016	8/18/2016	7	91	54%	428	11,528	16.4	1.1	99.99%	768	3,018	431	0.3	0.04
8/18/2016	8/25/2016	7	78	46%	483	13,009	8.9	0.6	>99.99%	838	3,184	455	0.1	0.02
8/25/2016	9/1/2016	7	112	67%	433	10,103	5.6	0.4	>99.99%	768	3,256	465	0.1	0.02
9/1/2016	9/8/2016	7	102	61%	414	9,660	7.2	0.5	>99.99%	942	3,477	497	0.2	0.02
9/8/2016	9/15/2016	7	140	83%	868	20,253	13.6	0.9	>99.99%	1,047	11,121	1,589	0.5	0.07
9/15/2016	9/22/2016	7	149	89%	499	10,431	13.1	1.2 *	99.99%	1,047	6,096	871	0.7	0.10
9/22/2016	9/29/2016	7	158	94%	682	14,256	3.9	0.3 *	>99.99%	1,222	10,311	1,473	0.2	0.04
9/29/2016	10/6/2016	7	119	71%	834	11,860	3.1	0.3 *	>99.99%	977	5,166	738	0.1	0.02
10/6/2016	10/13/2016	7	167	99%	593	8,433	2.4	0.2 *	>99.99%	1,012	5,339	763	0.1	0.02
10/13/2016	10/20/2016	7	117	70%	331	3,364	13.7	1.2 *	99.96%	597	880	126	0.3	0.05
10/20/2016	10/27/2016	7	170	100%	379	3,852	1.4	0.1 *	>99.99%	653	1,602	226	0.1	0.01
10/27/2016	11/3/2016	7	100	60%	444	2,863 *	0.5	0.0 *	>99.99%	669	717	104	0.0	0.00
11/3/2016	11/10/2016	7	174	100%	877	5,655 *	2.0	0.2 *	>99.99%	689	2,540	350	0.1	0.01
11/10/2016	11/18/2016	8	190	100%	816	5,261 *	27.0	2.4 *	99.95%	715	2,678	338	1.2	0.15

Notes:

% - percent

hrs - hours

JP-4 - jet petroleum fuel grade four

lbs - pounds

mg/m³ - milligrams per cubic meter

ppmv - parts per million by volume

scfm - standard cubic feet per minute

TPH - total petroleum hydrocarbons

PID - photoionization detector

SVE - soil vapor compound

VOC - volatile organic compound

* Concentration and associated calculated values may change after receipt of subsequent analytical data.

(a) Discrepancies in runtime clocks for the flame oxidizer have been observed since restart. The system is being observed and diagnosed. The primary blower hours are currently used to calculate uptime.

(b) Calculated destruction efficiencies are calculated using a single sampling event for each week, not using the average influent and effluent results.

(c) Mass and volumes are calculated based on laboratory data for TPH reported as JP-4. As has been the basis for previous calculations at ST012, the average molecular weight of TPH as JP-4 is assumed equivalent to xylene (106.168 grams per mole). The assumed liquid density of the fuel is 6.57 lbs per gallon.

(d) An error in hour recording caused an anomaly in hours that the flame oxidizer operated for the weeks ending 25 August and 2 September. The operation hours were estimated based on the flame oxidizer temperature chart recorder.

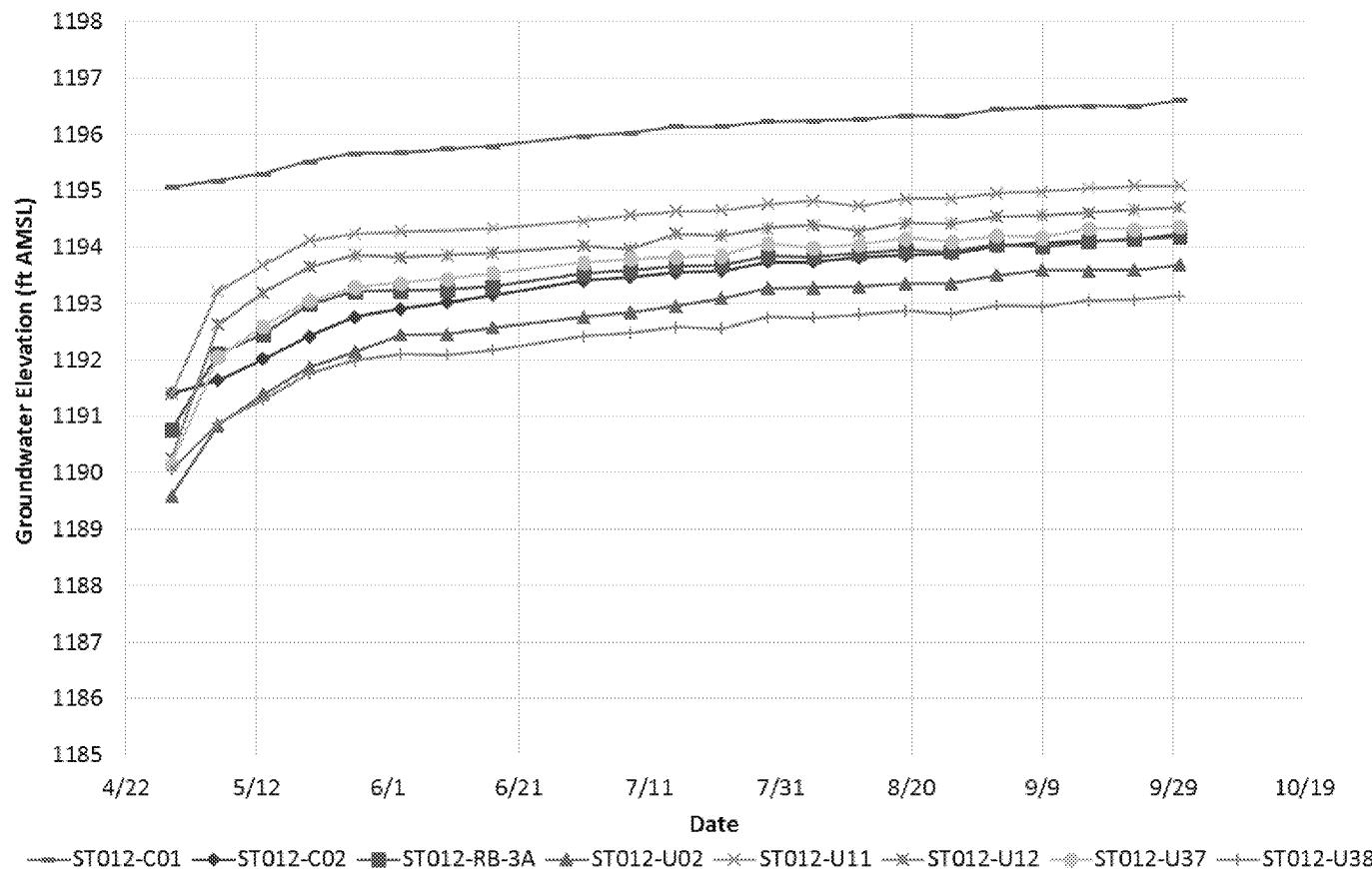
(e) To address inconsistencies in influent PID and flow rate measurements, system piping was changed on 13 October 2016. Flow rate measurements prior to this date are reported in acfm, and after this date are reported in scfm.

(f) The influent PID correction factor calculation has been revised to reflect a three-value rolling average (the average of the correction factor for the analytical sample collected one event prior, the current event, and one event after).

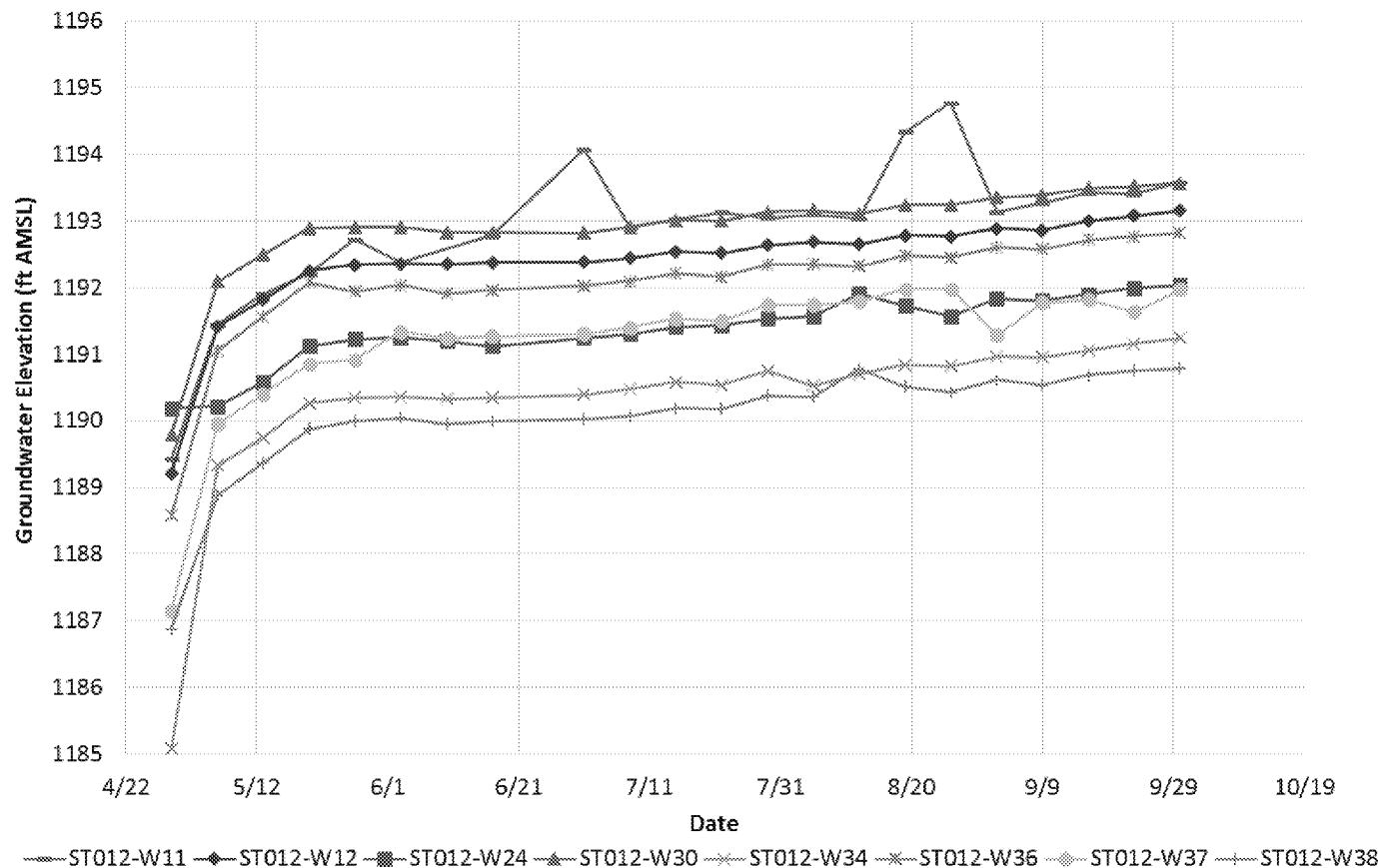
IV. GROUNDWATER ELEVATION MONITORING

Groundwater elevations monitored since the shutdown of the final extraction phase of SEE (29 April 2016). Starting with the week ending 7 October 2016, groundwater elevation monitoring will be performed monthly at all perimeter monitoring locations, except ST012-W11 and ST012-W37, which will be monitored weekly based on continued LNAPL recovery. Monthly perimeter well monitoring will continue until the startup of the planned active containment extraction system, at which time the monitoring frequency will be as described in the ST012 Field Variance Memorandum 5, Extraction and Treatment System Construction. The next monitoring event will be completed during the week ending 25 November 2016.

CZ and UWBZ Groundwater Elevations



LSZ Groundwater Elevations



Note: Increased groundwater elevation in ST012-W11 on 19 August and 26 August 2016 are suspected to be influenced by LNAPL in the monitoring well caused by malfunctioning measuring equipment.

V. SUBSURFACE TEMPERATURE MONITORING

A. Perimeter Monitoring Well Temperatures

The next monitoring event will be completed during the week ending 25 November 2016.

VI. SEE TEMPERATURE MONITORING POINTS

This section will be updated periodically with new temperature monitoring point (TMP) data.

VII. LNAPL MONITORING

A. Perimeter LNAPL Thickness (ft)

Starting with the week ending 7 October 2016, groundwater elevation monitoring will be performed monthly at all perimeter monitoring locations, except ST012-W11 and ST012-W37, which will be monitored weekly based on continued LNAPL recovery. Monthly perimeter well monitoring will continue until the startup of the expected active containment extraction system.

Monitoring Well	10/28/2016			11/04/2016			11/11/2016			11/18/2016		
	Before bailing/ pumping	Before bailing/ pumping	Before bailing/ pumping	Before bailing/ pumping	After Bailing/ pumping	Weekly Gallons Removed	Before bailing/ pumping	After Bailing/ pumping	Weekly Gallons Removed	Before bailing/ pumping	After Bailing/ pumping	Weekly Gallons Removed
CZ/UWBZ Wells												
ST012-C01	---	---	---	---	---	---	---	---	---	---	---	---
ST012-C02	---	---	---	---	---	---	---	---	---	---	---	---
UWBZ Wells												
ST012-U02	---	---	---	---	---	---	---	---	---	---	---	---
ST012-U11	---	---	---	---	---	---	---	---	---	---	---	---
ST012-U12	---	---	---	---	---	---	---	---	---	---	---	---
ST012-U37	---	---	---	---	---	---	---	---	---	---	---	---
ST012-U38	---	---	---	---	---	---	---	---	---	---	---	---
ST012-RB-3A	---	---	---	---	---	---	---	---	---	---	---	---
LSZ Wells												
ST012-W11	2.26	0.00	5.00	---	---	---	---	---	---	2.45	0.01	15
ST012-W12	---	---	---	---	---	---	---	---	---	---	---	---
ST012-W24	---	---	---	---	---	---	---	---	---	---	---	---
ST012-W30	---	---	---	---	---	---	---	---	---	---	---	---
ST012-W34	---	---	---	---	---	---	---	---	---	---	---	---
ST012-W36	---	---	---	---	---	---	---	---	---	---	---	---
ST012-W37	8.64	8.64	0.00	14.64	0.00	10	---	---	---	14.66	0.00	25
ST012-W38	---	---	---	---	---	---	---	---	---	---	---	---

B. LNAPL Monitoring and Removal

The table included with this report as Attachment 1 summarizes the removal and monitoring performed at LNAPL screened wells.

VIII. WASTE GENERATION AND RECYCLING

A. Well Drilling/Development

1. On 17 November 2016, MPE removed two rolloff bins of drill cuttings.
2. On 18 November 2016, MPE removed two rolloff bins of drill cuttings.

IX. TWO WEEK LOOK AHEAD

A. SEE Demolition - None

B. EBR Construction – None

C. Containment System Construction

1. Completion of active containment system construction detailed in Field Variance Memo 05

D. Well Drilling/Development

1. Continued logging and installation of well locations detailed in Field Variance Memo 04

E. Sampling/Monitoring Activities

1. Pumping and bailing to remove NAPL from SEE wells
2. Continued NAPL screening in SEE extraction and injection wells
3. Perimeter well monitoring
4. TMP monitoring

F. SVE System Operation/Optimization

1. Continue operation of flame oxidizer and thermal oxidizer with SVE system

X. ATTACHMENTS

1. LNAPL Monitoring and Removal Table
2. LNAPL Screening Figures based on table in Attachment 1
3. Draft boring logs for completed wells:
 1. CZ23

Attachment 1. LNAPL Monitoring and Removal

The following table summarizes the removal and monitoring performed at LNAPL screened wells. LNAPL monitoring of wells was prioritized based on expected future usage of each well as part of EBR. Subsequent LNAPL monitoring/removal frequency was prioritized based on the amount of LNAPL, the observed LNAPL recharge, and the temperature of each well. LNAPL monitoring and removal was initially conducted weekly at wells with LNAPL and the frequency has been reduced in some locations depending on whether LNAPL returns after pumping/bailing. Currently, two SEE wells with eductors or pumps that were recently removed have not been screened for LNAPL (UWBZ01 and LSZ02). LNAPL screening for these wells is planned for the following week.

Dual screened wells (UWBZ28/LSZ51, UWBZ32/LSZ47, and UWBZ33/LSZ48, and CZ22/UWBZ35) are not routinely checked for LNAPL due to the packers installed between the two screen intervals and the associated air line and injection piping. Periodically, when collecting groundwater samples or doing maintenance work on the packers, LNAPL measurements have been collected. If LNAPL is observed while packers are temporarily removed, LNAPL is assumed to originate from the screened interval(s) that had positive dye test results in soil during well installation.

Any additional wells that are monitored in future weeks will be included on this table:

Well	Date	Able to Use Interface Probe?	NAPL Present (Y/N)	Before Pumping			Bailed/Pumped (Y/N)	NAPL Remaining (Y/N)	After Pumping			LNAPL Removed (Gallons)
				Depth to Product (ft. bgs)	Depth to Water (ft. bgs)	NAPL Thickness (ft.)			Depth to Product (ft. bgs)	Depth to Water (ft. bgs)	NAPL Thickness (ft.)	
CZ01	7/19/2016	N	Y	NM	146 ⁽²⁾	0.3 ⁽¹⁾	N	Y	---	---	---	0
	7/25/2016	N	Y	NM	145 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0
	8/2/2016	N	Sheen	144 ⁽²⁾	144 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/10/2016	N	Y	NM	144 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
	8/15/2016	N	Y	NM	147 ⁽²⁾	0.04 ⁽¹⁾	N	Y	---	---	---	0
	8/23/2016	N	Y	NM	147 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0
	8/29/2016	N	Y	NM	147 ⁽²⁾	0.06 ⁽¹⁾	N	Y	---	---	---	0
	9/14/2016	N	Y	NM	147 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0
	10/14/2016	N	Y	NM	147 ⁽²⁾	0.17 ⁽¹⁾	N	Y	---	---	---	0
	10/25/2016	N	Y	NM	146 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0
	11/16/2016	N	Y	---	145 ⁽²⁾	0.20 ⁽¹⁾	N	Y	---	---	---	0
	11/18/2016	N	N	---	145 ⁽²⁾	---	N	N	---	---	---	0
CZ02	7/12/2016	N	N	---	144 ⁽²⁾	---	N	N	---	---	---	0
	7/27/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	8/2/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	8/23/2016	N	Y	NM	147 ⁽²⁾	0.25 ⁽¹⁾	N	Y	---	---	---	0
	8/29/2016	N	N	---	147 ⁽²⁾	---	N	N	---	---	---	0
	9/14/2016	N	Y	NM	147 ⁽²⁾	0.25 ⁽¹⁾	N	Y	---	---	---	0
	10/14/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	10/25/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	11/16/2016	N	Sheen	150 ⁽²⁾	150 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	11/18/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
CZ03	7/7/2016	N	N	---	---	---	N	N	---	---	---	0
	7/11/2016	N	N	---	142 ⁽²⁾	---	N	N	---	---	---	0
	7/27/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	8/2/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	8/29/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	9/29/2016	N	Sheen	149 ⁽²⁾	149 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	11/1/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
CZ04	7/7/2016	N	N	---	---	---	N	N	---	---	---	0
	7/12/2016	N	N	---	147 ⁽²⁾	---	N	N	---	---	---	0
	7/27/2016	N	N	---	147 ⁽²⁾	---	N	N	---	---	---	0
	8/2/2016	N	N	---	147 ⁽²⁾	---	N	N	---	---	---	0
	8/30/2016	N	N	---	147 ⁽²⁾	---	N	N	---	---	---	0
	9/29/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	11/1/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
CZ05	7/7/2016	N	N	---	---	---	N	N	---	---	---	0
	7/12/2016	N	N	---	145 ⁽²⁾	---	N	N	---	---	---	0
	7/28/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	8/3/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	8/30/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	9/29/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	11/1/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
CZ06	7/11/2016	N	N	---	145 ⁽²⁾	---	N	N	---	---	---	0
	7/28/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	8/2/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	8/23/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	9/29/2016	N	N	---	147 ⁽²⁾	---	N	N	---	---	---	0
	11/1/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	7/13/2016	N	Y	NM	142 ⁽²⁾	0.04 ⁽¹⁾	N	Y	---	---	---	0
	7/25/2016	N	Y	143.5 ⁽²⁾	144 ⁽²⁾	0.50 ⁽¹⁾	N	Y	---	---	---	0

CZ07	8/2/2016	N	Y	NM	144 ⁽²⁾	0.01 ⁽¹⁾	N	Y	---	---	---	0
	8/16/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0
	8/30/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0
	9/29/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0
	11/1/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0
CZ08	7/13/2016	N	Y	NM	147 ⁽²⁾	0.04 ⁽¹⁾	N	Y	---	---	---	0
	7/25/2016	N	Y	NM	146 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
	8/2/2016	N	Sheen	146 ⁽²⁾	146 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/16/2016	N	Y	NM ⁽²⁾	146 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
	8/23/2016	N	Y	NM ⁽²⁾	146 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
	9/29/2016	N	N	---	147 ⁽²⁾	---	N	N	---	---	---	0
	11/1/2016	N	N	---	147 ⁽²⁾	---	N	N	---	---	---	0
CZ09	6/22/2016	N	Y	NR	NR	0.13 ⁽¹⁾	N	Y	---	---	---	0
	7/18/2016	N	N	---	145 ⁽²⁾	---	N	N	---	---	---	0
	7/25/2016	N	N	---	145 ⁽²⁾	---	N	N	---	---	---	0
	8/2/2016	N	N	---	145 ⁽²⁾	---	N	N	---	---	---	0
	8/23/2016	N	Y	---	146 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0
	9/29/2016	N	N	---	147 ⁽²⁾	---	N	N	---	---	---	0
	11/1/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0
CZ10	6/23/2016	N	N	---	---	---	N	N	---	---	---	0
	7/12/2016	N	Sheen	146 ⁽²⁾	146 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	7/27/2016	N	Sheen	148 ⁽²⁾	148 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/2/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	8/23/2016	N	N	---	147 ⁽²⁾	---	N	N	---	---	---	0
	9/29/2016	N	N	---	147 ⁽²⁾	---	N	N	---	---	---	0
	11/1/2016	N	N	---	147 ⁽²⁾	---	N	N	---	---	---	0
CZ11	5/23/2016	N	Y	NM	NM	NM	N	Y	---	---	---	0
	7/7/2016	N	Sheen	---	NM	---	N	Sheen	---	---	---	0
	7/12/2016	N	N	---	145 ⁽²⁾	---	N	N	---	---	---	0
	7/27/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	8/2/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	8/16/2016	N	Y	NM	148 ⁽²⁾	0.01 ⁽¹⁾	N	Y	---	---	---	0
	8/29/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	9/29/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	11/1/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
CZ12	5/13/2016	N	Y	NM	NM	NM	N	Y	---	---	---	0
	6/7/2016	N	Y	149 ⁽²⁾	NM	NM	Y	N	NR	NR	NR	1
	6/23/2016	N	N	---	---	---	N	N	---	---	---	0
	6/29/2016	N	N	NM	156 ⁽²⁾	NM	N	N	---	---	---	0
	7/13/2016	N	Y	143 ⁽²⁾	150 ⁽²⁾	7 ⁽¹⁾	N	Y	---	---	---	0
	7/19/2016	N	Sheen	---	146 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	7/25/2016	N	Sheen	---	148 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/2/2016	N	Sheen	---	148 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/17/2016	N	N	---	147 ⁽²⁾	---	N	N	---	---	---	0
	8/23/2016	N	Y	NM	146 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
	9/29/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0
	11/1/2016	N	N	---	147 ⁽²⁾	---	N	N	---	---	---	0
CZ13	11/4/2016	N	Sheen	---	148 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
CZ14	5/22/2016	N	N	---	---	---	N	N	---	---	---	0
	5/26/2016	N	Y	NM	NM	NM	N	Y	---	---	---	0
	6/7/2016	N	Y	148 ⁽²⁾	NM	NM	Y	N	NR	NR	NR	3
	6/22/2016	N	N	---	---	---	N	N	---	---	---	0
	6/29/2016	N	Sheen	152 ⁽²⁾	152 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	7/7/2016	N	Sheen	---	NM	---	N	Sheen	---	---	---	0
	7/11/2016	N	Sheen	142 ⁽²⁾	142 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	7/25/2016	N	Sheen	149 ⁽²⁾	149 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/2/2016	N	Sheen	149 ⁽²⁾	149 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/16/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	8/30/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	9/29/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
CZ15	11/1/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	5/19/2016	N	Y	NM	NM	NM	N	Y	---	---	---	0
	6/7/2016	N	Y	151 ⁽²⁾	NM	NM	Y	N	151	NR	NR	1
	6/22/2016	N	N	---	---	---	N	N	---	---	---	0
	6/29/2016	N	N	---	152 ⁽²⁾	---	N	N	---	---	---	0
	7/11/2016	N	N	---	141 ⁽²⁾	---	N	N	---	---	---	0
	7/25/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	8/3/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	8/30/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	9/29/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0

CZ16	11/1/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
CZ17	11/7/2016	N	NM	NM	149 ⁽²⁾	NM	N	NM	---	---	---	0
	5/31/2016	N	Y	NM	NM	NM	N	Y	---	---	---	0
	6/15/2016	N	N	NM	149 ⁽²⁾	NM	N	N	---	---	---	0
	6/22/2016	N	Y	NM	NM	0.13 ⁽¹⁾	N	Y	---	---	---	0
	6/29/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	7/12/2016	N	Y	---	144 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
	7/28/2016	N	Y	---	148 ⁽²⁾	0.01 ⁽¹⁾	N	Y	---	---	---	0
	8/3/2016	N	Y	---	148 ⁽²⁾	0.01 ⁽¹⁾	N	Y	---	---	---	0
	8/10/2016	N	Sheen	148 ⁽²⁾	148 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/15/2016	N	Y	NM	147 ⁽²⁾	0.01 ⁽¹⁾	N	Y	---	---	---	0
	8/23/2016	N	Y	NM	148 ⁽²⁾	0.01 ⁽¹⁾	N	Y	---	---	---	0
	8/29/2016	N	Y	NM	147 ⁽²⁾	0.01 ⁽¹⁾	N	Y	---	---	---	0
	9/14/2016	N	Y	NM	148 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
	10/14/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	10/25/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
CZ18	11/9/2016 ⁽⁹⁾	---	---	---	---	---	---	---	---	---	---	0
	5/31/2016	N	Y	NM	NM	NM	N	Y	---	---	---	0
	6/22/2016	N	N	---	NM	---	N	N	---	---	---	0
	6/29/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	7/12/2016	N	Sheen	147 ⁽²⁾	147 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	7/28/2016	N	Y	NM	147 ⁽²⁾	0.01 ⁽¹⁾	N	Y	---	---	---	0
	8/3/2016	N	N	---	147 ⁽²⁾	---	N	N	---	---	---	0
	8/15/2016	N	Sheen	148 ⁽²⁾	148 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/23/2016	N	Y	NM	149 ⁽²⁾	0.01 ⁽¹⁾	N	Y	---	---	---	0
	8/30/2016	---	---	---	---	---	---	---	---	---	---	0
	9/14/2016	N	Y	NM	148 ⁽²⁾	0.01 ⁽¹⁾	N	Y	---	---	---	0
	10/14/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	10/25/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	11/8/2016	N	Y	NM	148 ⁽²⁾	1.5 ⁽¹⁾	N	Y	---	---	---	0
CZ19	11/9/2016 ⁽⁹⁾	---	---	---	---	---	---	---	---	---	---	0
	7/12/2016	N	N	---	145 ⁽²⁾	---	N	N	---	---	---	0
	7/28/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	8/3/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	8/29/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	9/29/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
CZ20	11/1/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	7/20/2016	N	N	---	145 ⁽²⁾	---	N	N	---	---	---	0
	7/25/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	8/2/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	8/29/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	9/29/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0
	11/1/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0
CZ21*	11/9/2016 ⁽⁹⁾	---	---	---	---	---	---	---	---	---	---	0
	7/20/2016	N	N	---	---	---	N	N	---	---	---	0
	9/2/2016 ⁽⁵⁾	Y	N	---	143.64	---	N	N	---	---	---	0
	9/2/2016 ⁽⁶⁾	Y	N	---	143.58	---	N	N	---	---	---	0
	10/7/2016 ⁽⁵⁾	Y	N	---	143.06	---	N	N	---	---	---	0
	10/7/2016 ⁽⁶⁾	Y	N	---	143.06	---	N	N	---	---	---	0
CZ22/ UWBZ35*	11/4/2016 ⁽⁷⁾	Y	Y	142.98	143.64	0.66	N	N	---	---	---	0
	7/12/2016	N	Y	142 ⁽²⁾	169 ⁽²⁾	27 ⁽¹⁾	Y	N	NR	NR	0	25
	7/27/2016	N	Y	NM	149 ⁽²⁾	0.25 ⁽¹⁾	N	Y	---	---	---	0
	8/2/2016	N	Sheen	149 ⁽²⁾	149 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/10/2016	N	Sheen	149 ⁽²⁾	149 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/15/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	8/26/2016	N	N	---	152 ⁽²⁾	---	N	N	---	---	---	0
	8/30/2016	N	N	---	150 ⁽²⁾	---	N	N	---	---	---	0
	9/14/2016	N	N	---	151 ⁽²⁾	---	N	N	---	---	---	0
	10/14/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	10/25/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
UWBZ02	11/17/2016	N	N	---	147 ⁽²⁾	---	N	N	---	---	---	0
	7/7/2016	N	N	---	---	---	N	N	---	---	---	0
	7/12/2016	N	N	---	145 ⁽²⁾	---	N	N	---	---	---	0
	7/27/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	8/3/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	8/30/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	9/29/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
UWBZ03	11/1/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
UWBZ04	11/4/2016	N	Y	144 ⁽²⁾	155 ⁽²⁾	11 ⁽¹⁾	N	Y	---	---	---	0
UWBZ05	11/4/2016	N	Y	145 ⁽²⁾	154 ⁽²⁾	9 ⁽¹⁾	N	Y	---	---	---	0
	11/1/2016	N	Y	138 ⁽²⁾	153 ⁽²⁾	15 ⁽¹⁾	N	Y	---	---	---	0
UWBZ06	11/3/2016	N	Y	138 ⁽²⁾	153 ⁽²⁾	15 ⁽¹⁾	Y	Y	NR	148 ⁽²⁾	<0.01 ⁽¹⁾	25

UWBZ07	7/7/2016	N	N	---	---	---	N	N	---	---	---	0
	7/12/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	7/27/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	8/2/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	8/30/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	9/29/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	11/1/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	7/19/2016	N	Y	---	144 ⁽²⁾	0.4 ⁽¹⁾	N	Y	---	---	---	0
	7/25/2016	N	Y	---	145 ⁽²⁾	0.33 ⁽¹⁾	N	Y	---	---	---	0
	8/2/2016	N	Y	---	145 ⁽²⁾	0.01 ⁽¹⁾	N	Y	---	---	---	0
UWBZ09	8/12/2016	N	Sheen	145 ⁽²⁾	145 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/15/2016	N	Y	NM	147 ⁽²⁾	0.04 ⁽¹⁾	N	Y	---	---	---	0
	8/26/2016	N	Y	NM	150 ⁽²⁾	0.01 ⁽¹⁾	N	Y	---	---	---	0
	8/30/2016	N	Y	NM	150 ⁽²⁾	0.5 ⁽¹⁾	N	Y	---	---	---	0
	9/14/2016	N	Y	NM	151 ⁽²⁾	0.01 ⁽¹⁾	N	Y	---	---	---	0
	10/14/2016	N	Y	NM	147 ⁽²⁾	0.13 ⁽¹⁾	N	Y	---	---	---	0
	10/25/2016	N	Y	NM	147 ⁽²⁾	1.83 ⁽¹⁾	N	Y	---	---	---	0
	10/31/2016	N	Y	145 ⁽²⁾	147 ⁽²⁾	2 ⁽¹⁾	Y	Y	NR	147 ⁽²⁾	<0.01 ⁽¹⁾	5
	11/16/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	5/24/2016	N	Y	NM	NM	NM	N	Y	---	---	---	0
UWBZ10	6/3/2016	N	Y	143 ⁽³⁾	NM	NM	Y	N	NR	NR	NR	13
	6/23/2016	N	N	---	---	---	N	N	---	---	---	0
	6/29/2016	N	Y	151 ⁽²⁾	151 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0
	7/12/2016	N	Y	142 ⁽²⁾	152 ⁽²⁾	10 ⁽¹⁾	N	Y	---	---	---	0
	7/13/2016	N	Y	NR	NR	NR	Y	N	NR	NR	NR	0
	7/27/2016	N	Y	NM	148 ⁽²⁾	0.2 ⁽¹⁾	N	Y	---	---	---	0
	8/2/2016	N	Sheen	148 ⁽²⁾	148 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/10/2016	N	Sheen	148 ⁽²⁾	148 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/15/2016	N	Y	NM	148 ⁽²⁾	0.2 ⁽¹⁾	N	Y	---	---	---	0
	8/23/2016	N	Y	NM	148 ⁽²⁾	0.25 ⁽¹⁾	N	Y	---	---	---	0
	8/30/2016	N	Y	NM	149 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
	9/14/2016	N	Y	NM	148 ⁽²⁾	0.25 ⁽¹⁾	N	Y	---	---	---	0
	10/14/2016	N	Y	NM	149 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
	10/25/2016	N	Y	NM	149 ⁽²⁾	0.04 ⁽¹⁾	N	Y	---	---	---	0
	11/16/2016	N	Sheen	149 ⁽²⁾	149 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
UWBZ11	7/18/2016	N	Y	142 ⁽²⁾	158 ⁽²⁾	16 ⁽¹⁾	N	Y	---	---	---	0
	7/29/2016	N	Y	144 ⁽²⁾	151 ⁽²⁾	7 ⁽¹⁾	Y	N	NR	148	0	20
	8/3/2016	N	Y	NM	149 ⁽²⁾	0.2 ⁽¹⁾	N	Y	---	---	---	0
	8/10/2016	N	Y	NM	148 ⁽²⁾	0.2 ⁽¹⁾	N	Y	---	---	---	0
	8/15/2016	N	Y	146 ⁽²⁾	148 ⁽²⁾	2 ⁽¹⁾	N	Y	---	---	---	0
	8/18/2016	N	Y	146 ⁽²⁾	147 ⁽²⁾	1 ⁽¹⁾	Y	Y	147 ⁽²⁾	147 ⁽²⁾	0.01 ⁽¹⁾	10
	8/26/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	8/30/2016	N	Y	NM	148 ⁽²⁾	0.1 ⁽¹⁾	N	Y	---	---	---	0
	9/29/2016	N	Y	NM	148 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0
	10/14/2016	N	Y	NM	147 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0
	11/1/2016	N	Y	NM	146 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0
UWBZ12	7/19/2016	N	Sheen	145 ⁽²⁾	145 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	7/25/2016	N	Y	NM	145 ⁽²⁾	0.1 ⁽¹⁾	N	Y	---	---	---	0
	8/2/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0
	8/16/2016	N	Y	NM	146 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
	8/29/2016	N	Sheen	NM	145 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	9/14/2016	N	Y	NM	147 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
	10/14/2016	N	N	---	147 ⁽²⁾	---	N	N	---	---	---	0
	10/25/2016	N	Y	146 ⁽²⁾	146 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	11/16/2016	N	N	---	147 ⁽²⁾	---	N	N	---	---	---	0
	7/7/2016	N	Y	NM	NM	<0.02 ⁽¹⁾	N	Y	---	---	---	0
UWBZ13	7/12/2016	N	Y	140 ⁽²⁾	165 ⁽²⁾	25 ⁽¹⁾	N	Y	---	---	---	0
	7/13/2016	N	Y	NR	NR	Y	N	NR	NR	NR	0	40
	7/27/2016	N	Y	NM	148 ⁽²⁾	0.4 ⁽¹⁾	N	Y	---	---	---	0
	8/3/2016	N	Sheen	148 ⁽²⁾	148 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/10/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	8/15/2016	N	Y	---	149 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
	8/23/2016	N	Y	---	148 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
	8/30/2016	N	Y	---	148 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
	9/14/2016	N	Y	---	148 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
	10/14/2016	N	Y	---	149 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0
	10/25/2016	N	Y	---	148 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0
	7/7/2016	N	Y	NM	NM	0.02 ⁽¹⁾	N	Y	---	---	---	0
	7/11/2016	N	Y	NM	144 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
	7/25/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	8/2/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	8/17/2016	N	Y	NM	148 ⁽²⁾	0.25 ⁽¹⁾	N	Y	---	---	---	0
	8/30/2016	N	Y	NM	148 ⁽²⁾	0.01 ⁽¹⁾	N	Y	---	---	---	0

UWBZ14	9/14/2016	N	Y	NM	148 ⁽²⁾	0.01 ⁽¹⁾	N	Y	---	---	---	0
	10/14/2016	N	Y	NM	147 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0
	10/25/2016	N	Y	NM	147 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0
	11/16/2016	N	Sheen	148 ⁽²⁾	148 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	7/12/2016	N	Y	140 ⁽²⁾	170 ⁽²⁾	30 ⁽¹⁾	N	Y	---	---	---	0
UWBZ15	7/18/2016	N	Y	140 ⁽²⁾	150 ⁽²⁾	10 ⁽¹⁾	Y	N	NR	147 ⁽²⁾	0	55
	7/27/2016	N	Y	147 ⁽²⁾	152 ⁽²⁾	5 ⁽¹⁾	N	Y	---	---	---	0
	8/3/2016	N	Y	NM	149 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0
	8/10/2016	N	Y	NM	148 ⁽²⁾	0.6 ⁽¹⁾	N	Y	---	---	---	0
	8/15/2016	N	Y	146 ⁽²⁾	149 ⁽²⁾	3 ⁽¹⁾	N	Y	---	---	---	0
	8/23/2016	N	Y	146 ⁽²⁾	149 ⁽²⁾	3 ⁽¹⁾	N	Y	---	---	---	0
	8/30/2016	N	Y	NM	148 ⁽²⁾	0.17 ⁽¹⁾	N	Y	---	---	---	0
	9/6/2016	N	Y	147 ⁽²⁾	152 ⁽²⁾	5 ⁽¹⁾	N	Y	---	---	---	0
	9/8/2016	N	Y	147 ⁽²⁾	152 ⁽²⁾	5 ⁽¹⁾	Y	Y	---	145 ⁽²⁾	0.4 ⁽²⁾	25
	9/14/2016	N	Y	NM	148 ⁽²⁾	0.25 ⁽¹⁾	N	Y	---	---	---	0
	9/20/2016	N	Y	NM	148 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
	9/26/2016	N	Y	NM	148 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
	10/4/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	10/14/2016	N	Y	148 ⁽²⁾	152 ⁽²⁾	4 ⁽¹⁾	N	Y	---	---	---	0
	10/25/2016	N	Y	NM	146 ⁽²⁾	0.67 ⁽¹⁾	N	Y	---	---	---	0
	10/26/2016	N	Y	148	152 ⁽²⁾	4 ⁽¹⁾	Y	Y	NM	149	0.04 ⁽²⁾	10
	11/1/2016	N	Y	NM	148 ⁽²⁾	0.25 ⁽¹⁾	N	Y	---	---	---	0
	11/17/2016	N	Y	NM	147 ⁽²⁾	0.13 ⁽¹⁾	N	Y	---	---	---	0
UWBZ16	7/11/2016	N	Y	NM	143 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
	7/25/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	8/3/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	8/16/2016	N	Y	NM	146 ⁽²⁾	0.01 ⁽¹⁾	N	Y	---	---	---	0
	8/30/2016	N	Y	NM	146 ⁽²⁾	0.01 ⁽¹⁾	N	Y	---	---	---	0
	9/14/2016	N	Y	NM	150 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0
	10/14/2016	N	Y	NM	149 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
	10/25/2016	N	Y	NM	148 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
	11/18/2016	N	Y	NM	148 ⁽²⁾	0.21 ⁽¹⁾	N	Y	---	---	---	0
	7/25/2016	N	Y	143 ⁽²⁾	150 ⁽²⁾	7 ⁽¹⁾	N	Y	---	---	---	0
	8/3/2016	N	Y	143 ⁽²⁾	150 ⁽²⁾	7 ⁽¹⁾	Y	N	NR	142 ⁽²⁾	0 ⁽¹⁾	36
	8/10/2016	N	Sheen	150 ⁽²⁾	150 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/16/2016	N	Y	146 ⁽²⁾	148 ⁽²⁾	2 ⁽¹⁾	N	Y	---	---	---	0
	8/23/2016	N	Y	146 ⁽²⁾	148 ⁽²⁾	2 ⁽¹⁾	N	Y	---	---	---	0
	8/30/2016	N	Sheen	148 ⁽²⁾	148 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	9/6/2016	N	Y	145 ⁽²⁾	149 ⁽²⁾	4 ⁽¹⁾	N	Y	---	---	---	0
	9/9/2016	N	Y	145 ⁽²⁾	149 ⁽²⁾	4 ⁽¹⁾	Y	N	NR	145 ⁽²⁾	0.6 ⁽¹⁾	15
	9/14/2016	N	Y	146 ⁽²⁾	146 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	9/20/2016	N	Y	NM	146 ⁽²⁾	0.5 ⁽¹⁾	N	Y	---	---	---	0
	9/26/2016	N	Y	NM	146 ⁽²⁾	0.5 ⁽¹⁾	N	Y	---	---	---	0
	10/4/2016	N	Y	NM	147 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
	10/14/2016	N	Y	NM	147 ⁽²⁾	0.83 ⁽¹⁾	N	Y	---	---	---	0
	10/25/2016	N	Y	NM	147 ⁽²⁾	0.83 ⁽¹⁾	N	Y	---	---	---	0
	11/1/2016	N	Y	NM	149 ⁽²⁾	1.33 ⁽¹⁾	N	Y	---	---	---	0
	11/18/2016	N	Sheen	NM	147 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
UWBZ17	6/22/2016	N	Y	NM	NM	3 ⁽¹⁾	N	Y	---	---	---	0
	6/30/2016	N	Y	147 ⁽²⁾	NM	NM	Y	N	NR	NR	0	20
	7/19/2016	N	Y	NM	145 ⁽²⁾	0.2 ⁽¹⁾	N	Y	---	---	---	0
	7/25/2016	N	Y	NM	145 ⁽²⁾	0.7 ⁽¹⁾	N	Y	---	---	---	0
	8/2/2016	N	Sheen	145 ⁽²⁾	145 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/12/2016	N	Sheen	145 ⁽²⁾	145 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/15/2016	N	Y	145 ⁽²⁾	147 ⁽²⁾	2 ⁽¹⁾	N	Y	---	---	---	0
	8/23/2016	N	Y	146 ⁽²⁾	148 ⁽²⁾	2 ⁽¹⁾	N	Y	---	---	---	0
	8/30/2016	N	Y	NM	148 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
	9/6/2016	N	Y	NM	145 ⁽²⁾	0.13 ⁽¹⁾	N	Y	---	---	---	0
	9/14/2016	N	Y	NM	148 ⁽²⁾	0.13 ⁽¹⁾	N	Y	---	---	---	0
	9/20/2016	N	Y	146 ⁽²⁾	147 ⁽²⁾	1 ⁽¹⁾	N	Y	---	---	---	0
	9/26/2016	N	Y	146 ⁽²⁾	147.5 ⁽²⁾	1.5 ⁽¹⁾	N	Y	---	---	---	0
	10/4/2016	N	Y	147 ⁽²⁾	148.6 ⁽²⁾	1.6 ⁽¹⁾	N	Y	---	---	---	0
	10/14/2016	N	Y	NM	147 ⁽²⁾	0.5 ⁽¹⁾	N	Y	---	---	---	0
	10/25/2016	N	Y	NM	147 ⁽²⁾	0.5 ⁽¹⁾	N	Y	---	---	---	0
	11/1/2016	N	Y	NM	147 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0
	11/18/2016	N	Y	NM	147 ⁽²⁾	0.21 ⁽¹⁾	N	Y	---	---	---	0
UWBZ18	6/6/2016	N	Y	150 ⁽²⁾	NM	NM	Y	N	NR	NR	0	1
	6/22/2016	N	Y	NM	NM	3 ⁽¹⁾	N	Y	---	---	---	0
	7/11/2016	N	Y	138 ⁽²⁾	164 ⁽²⁾	26 ⁽¹⁾	N	Y	---	---	---	0
	7/12/2016	N	Y	142 ⁽²⁾	162 ⁽²⁾	20 ⁽¹⁾	Y	N	NR</			

8/10/2016	N	Y	NM	147 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	---	0
8/16/2016	N	Y	147 ⁽²⁾	148 ⁽²⁾	1 ⁽¹⁾	N	Y	---	---	---	---	0
8/26/2016	N	N	---	147 ⁽²⁾	---	N	N	---	---	---	---	0
8/30/2016	N	Y	NM	147 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	---	0
9/14/2016	N	N	---	147 ⁽²⁾	---	N	N	---	---	---	---	0
10/14/2016	N	Y	---	147 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	---	0
10/25/2016	N	Y	---	147 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	---	0
UWBZ19	11/18/2016	N	Y	---	147 ⁽²⁾	0.17 ⁽¹⁾	N	Y	---	---	---	0
UWBZ20	11/7/2016	N	Y	141 ⁽²⁾	162 ⁽²⁾	21 ⁽¹⁾	N	Y	---	---	---	0
	11/15/2016	N	Y	146 ⁽²⁾	147 ⁽²⁾	1 ⁽¹⁾	Y	N	---	146 ⁽²⁾	0	2
UWBZ21	5/26/2016	N	Y	NM	NM	NM	N	Y	---	---	---	0
	6/14/2016	N	Y	148 ⁽²⁾	NM	NM	Y	N	NR	NR	0	24
	6/23/2016	N	Y	NM	NM	NM	N	Y	---	---	---	0
	6/29/2016	N	Y	155 ⁽²⁾	157.5 ⁽²⁾	2.5 ⁽¹⁾	N	Y	---	---	---	0
	7/7/2016	N	Y	NM	NM	0.08 ⁽¹⁾	N	Y	---	---	---	0
	7/29/2016	N	Y	146 ⁽²⁾	152 ⁽²⁾	6 ⁽¹⁾	Y	N	NR	148 ⁽²⁾	0.1 ⁽¹⁾	20
	8/2/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	8/10/2016	N	Sheen	148 ⁽²⁾	148 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/15/2016	N	Y	NM	147 ⁽²⁾	0.01 ⁽¹⁾	N	Y	---	---	---	0
	8/23/2016	N	Y	NM	147 ⁽²⁾	0.01 ⁽¹⁾	N	Y	---	---	---	0
	8/30/2016	N	Y	NM	148 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	9/14/2016	N	Y	NM	147 ⁽²⁾	0.04 ⁽¹⁾	N	Y	---	---	---	0
	10/14/2016	N	Y	NM	148 ⁽²⁾	0.04 ⁽¹⁾	N	Y	---	---	---	0
	10/25/2016	N	Y	NM	147 ⁽²⁾	0.01 ⁽¹⁾	N	Y	---	---	---	0
	11/18/2016	N	Sheen	147 ⁽²⁾	147 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
UWBZ22	5/19/2016	N	Y	NM	NM	NM	N	Y	---	---	---	0
	6/8/2016	N	Y	149 ⁽²⁾	NM	NM	Y	N	NR	NR	0	1
	6/29/2016	N	Y	147 ⁽²⁾	147.5 ⁽²⁾	0.5 ⁽¹⁾	N	Y	---	---	---	0
	7/7/2016	N	Y	NM	NM	0.02 ⁽¹⁾	N	Y	---	---	---	0
	7/12/2016	N	Y	NM	146 ⁽²⁾	0.04 ⁽¹⁾	N	Y	---	---	---	0
	7/28/2016	N	Y	NM	150 ⁽²⁾	0.4 ⁽¹⁾	N	Y	---	---	---	0
	8/3/2016	N	Y	NM	150 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
	8/10/2016	N	Y	NM	149 ⁽²⁾	0.04 ⁽¹⁾	N	Y	---	---	---	0
	8/15/2016	N	Y	NM	147 ⁽²⁾	0.2 ⁽¹⁾	N	Y	---	---	---	0
	8/23/2016	N	Y	NM	148 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0
	8/29/2016	N	Y	NM	147 ⁽²⁾	0.01 ⁽¹⁾	N	Y	---	---	---	0
	9/29/2016	N	Y	NM	148 ⁽²⁾	0.25 ⁽¹⁾	N	Y	---	---	---	0
	11/1/2016	N	Y	NM	148 ⁽²⁾	0.25 ⁽¹⁾	N	Y	---	---	---	0
	11/14/2016 ⁽⁹⁾	---	---	---	---	---	---	---	---	---	---	0
UWBZ23	5/18/2016	N	Y	NM	NM	NM	N	Y	---	---	---	0
	6/9/2016	N	Y	148 ⁽²⁾	NM	NM	Y	N	NR	NR	0	35
	6/29/2016	N	Y	153 ⁽²⁾	154.5 ⁽²⁾	1.5 ⁽¹⁾	N	Y	---	---	---	0
	7/11/2016	N	Y	142 ⁽²⁾	148 ⁽²⁾	6 ⁽¹⁾	N	Y	---	---	---	0
	7/25/2016	N	Y	NM	149 ⁽²⁾	0.8 ⁽¹⁾	N	Y	---	---	---	0
	8/2/2016	N	Y	NM	149 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
	8/10/2016	N	Sheen	149 ⁽²⁾	149 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/16/2016	N	Y	146 ⁽²⁾	149 ⁽²⁾	3 ⁽¹⁾	N	Y	---	---	---	0
	8/22/2016	N	Y	146 ⁽²⁾	149 ⁽²⁾	3 ⁽¹⁾	Y	N	---	148 ⁽²⁾	0	15
	8/26/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	8/30/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	9/14/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	10/14/2016	N	Y	---	149 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
	10/25/2016	N	Y	---	148 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
	11/18/2016	N	Y	---	150 ⁽²⁾	0.54 ⁽¹⁾	N	Y	---	---	---	0
UWBZ24	11/7/2016	N	Y	146 ⁽²⁾	155 ⁽²⁾	9 ⁽¹⁾	Y	Y	NR	148 ⁽²⁾	<0.01 ⁽¹⁾	36
UWBZ25	7/19/2016	N	Sheen	145 ⁽²⁾	145 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	7/25/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0
	8/2/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0
	8/16/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0
	8/23/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0
	9/29/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0
	11/1/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0
UWBZ26	6/29/2016	N	Y	141.5 ⁽²⁾	170 ⁽²⁾	28.5 ⁽¹⁾	N	Y	---	---	---	0
	7/5/2016	Y	Y	140.4	167.1	26.61	Y	Y	142.2	162.9	20.7	10
	7/6/2016	Y	Y	142	163	20.99	Y	Y	147.3	147.8	0.45	40
	7/12/2016	N	Y	NM	142 ⁽²⁾	0.17 ⁽¹⁾	N	Y	---	---	---	0
	7/28/2016	N	Y	147 ⁽²⁾	148 ⁽²⁾	1 ⁽¹⁾	N	Y	---	---	---	0
	8/3/2016	N	Y	NM	148 ⁽²⁾	0.01 ⁽¹⁾	N	Y	---	---	---	0
	8/12/2016	N	Y	NM	148 ⁽²⁾	0.04 ⁽¹⁾	N	Y	---	---	---	0
	8/16/2016	N	Y	NM	148 ⁽²⁾	0.2 ⁽¹⁾	N	Y	---	---	---	0
	8/26/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	8/30/2016	N	Y	---	148 ⁽²⁾	0.1 ⁽¹⁾	N	Y	---	---	---	0
	9/29/2016	N	Y	---	147 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0
	11/1/2016	N	Y	---	147 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0

UWBZ27	5/24/2016	N	Y	NM	NM	NM	N	Y	---	---	---	0
	6/8/2016	N	Y	143 ⁽²⁾	NM	NM	Y	N	NR	NR	NR	32
	6/29/2016	N	Y	148 ⁽²⁾	148 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
	7/12/2016	N	N	---	143 ⁽²⁾	---	N	N	---	---	---	0
	7/28/2016	N	N	---	147 ⁽²⁾	---	N	N	---	---	---	0
	8/2/2016	N	N	---	147 ⁽²⁾	---	N	N	---	---	---	0
	8/30/2016	N	N	---	147 ⁽²⁾	---	N	N	---	---	---	0
	9/29/2016	N	Sheen	148 ⁽²⁾	148 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	11/1/2016	N	Y	NM	148 ⁽²⁾	0.01 ⁽¹⁾	N	Y	---	---	---	0
	11/14/2016 ⁽⁹⁾	---	---	---	---	---	---	---	---	---	---	0
	UWBZ28/ LSZ51*	7/20/2016	N	N	NM	NM	---	N	N	---	---	0
		11/4/2016 ⁽⁷⁾	N	Sheen	NM	146 ⁽²⁾	Sheen	N	Sheen	---	---	0
UWBZ29	7/20/2016	N	N	---	145 ⁽²⁾	---	N	N	---	---	---	0
	7/27/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0
	8/2/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0
	8/30/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0
	9/29/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	11/1/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
UWBZ31	7/20/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0
	7/25/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0
	8/2/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0
	8/16/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0
	8/30/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0
	10/3/2016	N	Y	NM	146 ⁽²⁾	0.01 ⁽¹⁾	N	Y	---	---	---	0
	11/1/2016	N	Y	NM	146 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
UWBZ32/ LSZ47*	7/20/2016	N	N	NM	NM	---	N	N	---	---	---	0
	8/23/2016 ⁽⁶⁾	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0
	10/7/2016 ⁽⁶⁾	Y	N	---	145.4 ⁽²⁾	---	N	N	---	---	---	0
	11/3/2016 ⁽⁷⁾	Y	Y	145.39	147.50 ⁽²⁾	2.11	N	Y	---	---	---	0
	11/15/2016 ⁽⁷⁾	Y	Y	144.45	147.52 ⁽²⁾	3.07	Y	N	NR	NR	NR	NR
UWBZ33/ LSZ48*	7/12/2016 ⁽⁵⁾	Y	Y	144.90	146.55	1.65	Y	Y	145.2	145.4	0.13	2
	7/25/2016 ⁽⁵⁾	N	Sheen	NM	NM	Sheen	Y	Sheen	---	---	---	0
	11/3/2016 ⁽⁷⁾	Y	Sheen	NM	144.60	Sheen	Y	Sheen	---	---	---	0
UWBZ34	7/20/2016	N	N	---	145 ⁽²⁾	---	N	N	---	---	---	0
	7/29/2016	Y	N	---	144.49	---	N	N	---	---	---	0
	8/5/2016	Y	N	---	144.55	---	N	N	---	---	---	0
	8/19/2016	Y	N	---	144.42	---	N	N	---	---	---	0
	9/2/2016	Y	N	---	144.38	---	N	N	---	---	---	0
	9/16/2016	Y	N	---	144.27	---	N	N	---	---	---	0
	10/7/2016	Y	N	---	144.26	---	N	N	---	---	---	0
UWBZ36	7/15/2016	Y	N	---	144.31	---	N	N	---	---	---	0
	7/29/2016	Y	N	---	144.07	---	N	N	---	---	---	0
	8/5/2016	Y	N	---	144.21	---	N	N	---	---	---	0
	9/2/2016	Y	N	---	144.02	---	N	N	---	---	---	0
	10/7/2016	Y	N	---	143.85	---	N	N	---	---	---	0
LSZ01	11/2/2016	N	Y	NM	NM	15	N	Y	---	---	---	0
	11/16/2016	N	Y	147 ⁽²⁾	149 ⁽²⁾	2 ⁽¹⁾	Y	N	---	145 ⁽²⁾	---	30
LSZ03	7/7/2016	N	N	---	---	---	N	N	---	---	---	0
	7/12/2016	N	N	---	145 ⁽²⁾	---	N	N	---	---	---	0
	7/28/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	8/3/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	8/30/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	9/29/2016	N	N	---	147 ⁽²⁾	---	N	N	---	---	---	0
LSZ04	11/4/2016	N	Y	NM	146 ⁽²⁾	0.04 ⁽¹⁾	N	Y	---	---	---	0
LSZ05	11/4/2016	N	Y	145 ⁽²⁾	154 ⁽²⁾	9 ⁽¹⁾	N	Y	---	---	---	0
LSZ06	10/31/2016	N	Y	134 ⁽²⁾	154 ⁽²⁾	20 ⁽¹⁾	Y	Y	NR	147 ⁽²⁾	0.01 ⁽¹⁾	70
LSZ07	7/7/2016	N	N	---	---	---	N	N	---	---	---	0
	7/12/2016	N	N	---	145 ⁽²⁾	---	N	N	---	---	---	0
	7/28/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0
	8/2/2016	N	N	---	147 ⁽²⁾	---	N	N	---	---	---	0
	8/30/2016	N	N	---	147 ⁽²⁾	---	N	N	---	---	---	0
	9/29/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
LSZ08	11/4/2016	Y	Y	144.66	161.10	16.44	N	Y	---	---	---	0
LSZ09	5/26/2016	N	Y	NM	NM	NM	N	Y	---	---	---	0
	6/29/2016	N	Y	152 ⁽²⁾	152 ⁽²⁾	<0.08 ⁽¹⁾	N	Y	---	---	---	0
	7/7/2016	N	Y	NM	NM	0.02 ⁽¹⁾	N	Y	---	---	---	0
	7/12/2016	N	Sheen	144 ⁽²⁾	144 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	7/27/2016	N	Y	NM	149 ⁽²⁾	0.1 ⁽¹⁾	N	Y	---	---	---	0
	8/3/2016	N	Y	NM	148 ⁽²⁾	0.1 ⁽¹⁾	N	Y	---	---	---	0
	8/12/2016	N	Sheen	148 ⁽²⁾	148 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/16/2016	N	Y	NM	149 ⁽²⁾	0.04 ⁽¹⁾	N	Y	---	---	---	0
	8/30/2016	N	Y	NM	149 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
	9/29/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	7/12/2016	N	N	---	142 ⁽²⁾	---	N	N	---	---	---	0
	7/28/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	8/3/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0

LSZ10	8/30/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	9/29/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0
LSZ11	5/24/2016	N	Y	NM	NM	NM	N	Y	---	---	---	0
	6/1/2016	N	Y	NM	NM	NM	Y	N	NR	NR	0	10 ⁽⁴⁾
	6/29/2016	N	N	---	147	---	N	N	---	---	---	0
	7/7/2016	N	Y	NM	NM	<0.02 ⁽¹⁾	N	Y	---	---	---	0
	7/11/2016	N	Y	NM	145 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0
	7/28/2016	N	N	---	150 ⁽²⁾	---	N	N	---	---	---	0
	8/3/2016	N	N	---	150 ⁽²⁾	---	N	N	---	---	---	0
	8/16/2016	N	N	---	150 ⁽²⁾	---	N	N	---	---	---	0
	8/23/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	8/29/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	9/29/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	11/15/2016	---	---	---	---	---	---	---	---	---	---	0
LSZ12	5/19/2016	N	Y	NM	NM	NM	N	Y	---	---	---	0
	6/14/2016	N	Y	NM	NM	NM	Y	N	NR	NR	0	50
	6/24/2016	N	Y	NM	NM	NM	N	Y	---	---	---	0
	6/29/2016	N	Y	148 ⁽²⁾	158 ⁽²⁾	10 ⁽¹⁾	Y	Y	NR	NR	<0.08 ⁽¹⁾	25
	7/12/2016	N	N	---	147 ⁽²⁾	---	N	N	---	---	---	0
	7/25/2016	N	Y	---	148 ⁽²⁾	0.2	N	Y	---	---	---	0
	8/2/2016	N	Sheen	148 ⁽²⁾	148 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/10/2016	N	Sheen	148 ⁽²⁾	148 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/16/2016	N	Y	NM	150 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
	8/26/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	8/30/2016	N	Y	NM	149 ⁽²⁾	0.01 ⁽¹⁾	N	Y	---	---	---	0
	9/14/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	10/14/2016	N	Y	NM	149 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
LSZ13	10/26/2016	N	Y	NM	149 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0
	11/18/2016	N	Y	NM	148 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0
LSZ14	11/1/2016	N	Y	142 ⁽²⁾	151 ⁽²⁾	9 ⁽¹⁾	N	Y	---	---	---	0
	5/18/2016	N	Y	NM	NM	NM	N	Y	---	---	---	0
	6/13/2016	N	Y	144 ⁽²⁾	NM	NM	Y	N	NR	NR	0	26
	6/29/2016	N	N	---	150 ⁽²⁾	---	N	N	---	---	---	0
	7/7/2016	N	Y	145 ⁽²⁾	166 ⁽²⁾	21 ⁽¹⁾	Y	Y	148 ⁽²⁾	NR	NR	35
	7/25/2016	N	Y	NM	147 ⁽²⁾	0.2 ⁽¹⁾	N	Y	---	---	---	0
	8/2/2016	N	Y	NM	148 ⁽²⁾	0.2 ⁽¹⁾	N	Y	---	---	---	0
	8/10/2016	N	Y	NM	148 ⁽²⁾	0.04 ⁽¹⁾	N	Y	---	---	---	0
	8/15/2016	N	Y	NM	149 ⁽²⁾	0.58 ⁽¹⁾	N	Y	---	---	---	0
	8/23/2016	N	Y	NM	149 ⁽²⁾	0.5 ⁽¹⁾	N	Y	---	---	---	0
	8/30/2016	N	Y	NM	149 ⁽²⁾	0.04 ⁽¹⁾	N	Y	---	---	---	0
	9/6/2016	N	Y	NM	150 ⁽²⁾	0.33 ⁽¹⁾	N	Y	---	---	---	0
	9/14/2016	N	Y	NM	149 ⁽²⁾	0.5 ⁽¹⁾	N	Y	---	---	---	0
	9/20/2016	N	Y	NM	148 ⁽²⁾	0.5 ⁽¹⁾	N	Y	---	---	---	0
LSZ15	9/26/2016	N	Y	NM	149 ⁽²⁾	0.7 ⁽¹⁾	N	Y	---	---	---	0
	10/4/2016	N	Y	NM	149 ⁽²⁾	0.17 ⁽¹⁾	N	Y	---	---	---	0
	10/14/2016	N	Y	NM	149 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0
	10/25/2016	N	Y	NM	148 ⁽²⁾	0.75 ⁽¹⁾	N	Y	---	---	---	0
	11/1/2016	N	Y	NM	150 ⁽²⁾	0.25 ⁽¹⁾	N	Y	---	---	---	0
	11/16/2016	N	Sheen	149 ⁽²⁾	149 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	7/12/2016	N	Y	135 ⁽²⁾	NM	>35 ⁽¹⁾	N	Y	---	---	---	0
	7/14/2016	N	Y	144 ⁽²⁾	159 ⁽²⁾	15 ⁽¹⁾	Y	N	NR	147 ⁽²⁾	Sheen	100
	7/25/2016	N	Y	NM	147 ⁽²⁾	0.2 ⁽¹⁾	N	Y	---	---	---	0
	8/3/2016	N	Sheen	147 ⁽²⁾	147 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/10/2016	N	Sheen	147 ⁽²⁾	147 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/15/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	8/23/2016	N	N	---	148 ⁽²⁾	0.01 ⁽¹⁾	N	Y	---	---	---	0
LSZ16	8/30/2016	N	Sheen	147 ⁽²⁾	148 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	9/14/2016	N	Y	NM	148 ⁽²⁾	0.04 ⁽¹⁾	N	Y	---	---	---	0
	10/14/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	10/26/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	11/18/2016	N	Y	NM	148 ⁽²⁾	0.3 ⁽¹⁾	N	Y	---	---	---	0
	11/1/2016	N	Y	138 ⁽²⁾	149 ⁽²⁾	11 ⁽¹⁾	N	Y	---	---	---	0
	5/24/2016	N	Y	NM	NM	NM	N	Y	---	---	---	0
	6/2/2016	N	Y	130 ⁽²⁾	NM	NM	Y	N	NR	NR	0	50 ⁽⁴⁾
	6/23/2016	N	Y	NM	NM	NM	N	Y	---	---	---	0
	6/29/2016	N	Y	150 ⁽²⁾	150 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0
	7/12/2016	N	Y	NM	145 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0
	7/27/2016	N	Y	NM	148 ⁽²⁾	0.2 ⁽¹⁾	N	Y	---	---	---	0
	8/3/2016	N	Y	NM	148 ⁽²⁾	0.2 ⁽¹⁾	N	Y	---	---	---	0
	8/10/2016	N	Y	NM	148 ⁽²⁾	0.04 ⁽¹⁾	N	Y	---	---	---	0
	8/15/2016	N	Y	NM	148 ⁽²⁾	0.04 ⁽¹⁾	N	Y	---	---	---	0
	8/23/2016	N	Y	NM	148 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0
	8/30/2016	N	Y	NM	148 ⁽²⁾	0.04 ⁽¹⁾	N	Y	---	---	---	0
	9/14/2016	N	Y	NM	148 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---		

LSZ17	10/26/2016	N	Y	NM	148 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0
	11/18/2016	N	Y	NM	149 ⁽²⁾	0.3 ⁽¹⁾	N	Y	---	---	---	0
LSZ18	7/18/2016	N	N	---	145 ⁽²⁾	---	N	N	---	---	---	0
	7/25/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0
	8/2/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0
	8/16/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0
	8/23/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0
	8/30/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0
	9/29/2016	N	N	---	147 ⁽²⁾	---	N	N	---	---	---	0
LSZ19	7/7/2016	N	Y	NM	NM	0.02 ⁽¹⁾	N	Y	---	---	---	0
	7/12/2016	N	Y	NM	144 ⁽²⁾	0.04 ⁽¹⁾	N	Y	---	---	---	0
	7/27/2016	N	Y	NM	148 ⁽²⁾	0.2 ⁽¹⁾	N	Y	---	---	---	0
	8/3/2016	N	Y	NM	148 ⁽²⁾	0.2 ⁽¹⁾	N	Y	---	---	---	0
	8/10/2016	N	Sheen	148 ⁽²⁾	148 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/16/2016	N	Y	NM	148 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0
	8/23/2016	N	Y	NM	147 ⁽²⁾	0.04 ⁽¹⁾	N	Y	---	---	---	0
	8/29/2016	N	Y	NM	148 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0
	9/14/2016	N	Y	NM	147 ⁽²⁾	0.04 ⁽¹⁾	N	Y	---	---	---	0
	10/14/2016	N	Y	NM	149 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
	10/26/2016	N	Y	NM	148 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0
	11/16/2016	N	Sheen	150 ⁽²⁾	150 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
LSZ20	7/7/2016	N	Sheen	---	NM	---	N	Sheen	---	---	---	0
	7/11/2016	N	Sheen	142 ⁽²⁾	142 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	7/25/2016	N	Sheen	149 ⁽²⁾	149 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/2/2016	N	Sheen	149 ⁽²⁾	149 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/16/2016	N	Y	NM	149 ⁽²⁾	0.01 ⁽¹⁾	N	Y	---	---	---	0
	8/30/2016	N	Sheen	149 ⁽²⁾	149 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	9/14/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	10/26/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	10/26/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	11/18/2016	N	Y	NM	150 ⁽²⁾	0.25 ⁽¹⁾	N	Y	---	---	---	0
LSZ21	7/19/2016	N	Sheen	144 ⁽²⁾	144 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	7/25/2016	N	Sheen	146 ⁽²⁾	146 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/3/2016	N	Sheen	146 ⁽²⁾	146 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/16/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0
	8/23/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0
	8/30/2016	N	Sheen	146 ⁽²⁾	146 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	9/29/2016	N	N	---	147 ⁽²⁾	---	N	N	---	---	---	0
LSZ22	7/25/2016	N	Sheen	148	148 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/3/2016	N	Sheen	148	148 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/12/2016	N	Sheen	148	148 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/15/2016	N	N	---	150 ⁽²⁾	---	N	N	---	---	---	0
	8/23/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	8/30/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	9/29/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
LSZ23	5/26/2016	N	Y	NM	NM	N	Y	---	---	---	---	0
	6/20/2016	N	N	---	151 ⁽²⁾	---	N	N	---	---	---	0
	6/29/2016	N	N	---	152 ⁽²⁾	---	N	N	---	---	---	0
	7/7/2016	N	N	---	NM	---	N	N	---	---	---	0
	7/12/2016	N	N	---	147 ⁽²⁾	---	N	N	---	---	---	0
	7/28/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	8/3/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	8/30/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	9/29/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	7/12/2016	N	N	---	142 ⁽²⁾	---	N	N	---	---	---	0
LSZ24	7/20/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0
	7/28/2016	N	N	---	147 ⁽²⁾	---	N	N	---	---	---	0
	8/3/2016	N	N	---	147 ⁽²⁾	---	N	N	---	---	---	0
	8/12/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0
	8/23/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	8/25/2016	N	N	NM	147 ⁽²⁾	0.01 ⁽¹⁾	N	Y	---	---	---	0
	9/29/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	7/11/2016	N	Sheen	143 ⁽²⁾	143 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
LSZ25	7/25/2016	N	Sheen	149 ⁽²⁾	149 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/2/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	8/16/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	8/29/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	9/29/2016	N	N	---	147 ⁽²⁾	---	N	N	---	---	---	0
	5/16/2016	N	Y	NM	NM	N	Y	---	---	---	---	0
	6/14/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	6/29/2016	N	N	---	153 ⁽²⁾	---	N	N	---	---	---	0
	7/11/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0
	7/25/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0

LSZ26	8/2/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	8/29/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	9/29/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
LSZ27	7/7/2016	N	N	---	---	---	N	N	---	---	---	0
	7/12/2016	N	N	---	145 ⁽²⁾	---	N	N	---	---	---	0
	7/27/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	8/3/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	8/23/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	9/29/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
LSZ28	5/24/2016	N	Y	NM	NM	N	Y	---	---	---	---	0
	6/3/2016	N	Y	146	NM	NM	Y	N	NR	NR	0	5
	6/23/2016	N	N	---	NM	---	N	N	---	---	---	0
	6/29/2016	N	N	---	151 ⁽²⁾	---	N	N	---	---	---	0
	7/12/2016	N	Sheen	145 ⁽²⁾	145 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	7/27/2016	N	Sheen	148 ⁽²⁾	148 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/2/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	8/16/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	8/23/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	8/30/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	9/29/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	5/18/2016	N	Y	NM	NM	N	Y	---	---	---	---	0
	6/6/2016	N	Y	142 ⁽²⁾	NM	NM	Y	Y	NR	NR	NR	3
LSZ29	6/29/2016	N	Y	152 ⁽²⁾	152 ⁽²⁾	<0.01 ⁽¹⁾	N	Y	NR	NR	NR	0
	7/20/2016	N	N	---	150 ⁽²⁾	---	N	N	---	---	---	0
	7/25/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	8/2/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	8/23/2016	N	Y	NM	149 ⁽²⁾	0.01 ⁽¹⁾	N	Y	---	---	---	0
	8/30/2016	N	Sheen	149 ⁽²⁾	149 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	9/29/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
LSZ30	11/4/2016	N	Y	144 ⁽²⁾	156 ⁽²⁾	12 ⁽¹⁾	N	Y	---	---	---	0
LSZ31	6/6/2016	N	Y	151 ⁽²⁾	NM	NM	Y	N	NR	NR	0	20
	7/25/2016	N	Y	NM	145 ⁽²⁾	0.2 ⁽¹⁾	N	Y	---	---	---	0
	8/3/2016	N	Sheen	145 ⁽²⁾	145 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/23/2016	N	Y	NM	146 ⁽²⁾	0.5 ⁽¹⁾	N	Y	---	---	---	0
	9/29/2016	N	Y	NM	147 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0
LSZ32	7/25/2016	N	Y	144.8 ⁽²⁾	145 ⁽²⁾	1.2 ⁽¹⁾	N	Y	---	---	---	0
	8/2/2016	N	Y	NM ⁽²⁾	147 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
	8/12/2016	N	Y	NM ⁽²⁾	147 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
	8/15/2016	N	Y	NM	148 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0
	8/23/2016	N	Y	NM	147 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0
	8/30/2016	N	Y	NM	146 ⁽²⁾	0.1 ⁽¹⁾	N	Y	---	---	---	0
	9/29/2016	N	Y	NM	147 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0
LSZ33	11/7/2016	Y	Y	142.22	170 ⁽⁸⁾	>27.8 ⁽¹⁾	N	Y	---	---	---	0
	11/8/2016	Y	Y	142.22	170 ⁽⁸⁾	>27.8 ⁽¹⁾	Y	Y	149.4	149.81	0.41	65
LSZ34	5/17/2016	N	Y	NM	NM	NM	N	Y	---	---	---	0
	6/14/2016	N	Y	148 ⁽²⁾	NM	NM	Y	N	NR	NR	0	38
	6/29/2016	N	Y	152 ⁽²⁾	152 ⁽²⁾	<0.08 ⁽¹⁾	N	Y	---	---	---	0
	7/11/2016	N	Y	NM	145 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0
	7/25/2016	N	Y	NM	149 ⁽²⁾	0.2 ⁽¹⁾	N	Y	---	---	---	0
	8/2/2016	N	Sheen	148 ⁽²⁾	148 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/10/2016	N	Sheen	148 ⁽²⁾	148 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/15/2016	N	Y	NM ⁽²⁾	149 ⁽²⁾	0.01 ⁽¹⁾	N	Y	---	---	---	0
	8/26/2016	N	Y	NM ⁽²⁾	148 ⁽²⁾	0.01 ⁽¹⁾	N	Y	---	---	---	0
	8/30/2016	N	Y	NM ⁽²⁾	148 ⁽²⁾	0.01 ⁽¹⁾	N	Y	---	---	---	0
	9/14/2016	N	Y	NM ⁽²⁾	148 ⁽²⁾	0.04 ⁽¹⁾	N	Y	---	---	---	0
	10/14/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	10/25/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	11/16/2016	N	Y	---	150 ⁽²⁾	0.17 ⁽¹⁾	N	Y	---	---	---	0
LSZ35	6/29/2016	N	Y	147 ⁽²⁾	NM	NM	Y	N	NR	NR	0	65
	7/12/2016	N	Y	140 ⁽²⁾	168 ⁽²⁾	28 ⁽¹⁾	N	Y	---	---	---	0
	7/18/2016	N	Y	143 ⁽²⁾	149 ⁽²⁾	6 ⁽¹⁾	Y	N	NR	146 ⁽²⁾	Sheen	35
	7/25/2016	N	Y	NM	149 ⁽²⁾	0.2 ⁽¹⁾	N	Y	---	---	---	0
	8/3/2016	N	Y	NM	150 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0
	8/12/2016	N	Y	NM	149 ⁽²⁾	0.06 ⁽¹⁾	N	Y	---	---	---	0
	8/16/2016	N	Y	146 ⁽²⁾	149 ⁽²⁾	3 ⁽¹⁾	N	Y	---	---	---	0
	8/22/2016	N	Y	146 ⁽²⁾	149 ⁽²⁾	3 ⁽¹⁾	Y	N	---	149 ⁽²⁾	0	10
	8/23/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	8/30/2016	N	Y	NM	149 ⁽²⁾	0.06 ⁽¹⁾	N	Y	---	---	---	0
	9/14/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	10/14/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	10/25/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	11/16/2016	N	Sheen	149 ⁽²⁾	149 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	5/19/2016	N	Y	NM	NM	N	Y	---	---	---	---	0
	6/10/2016	N	Y	144 ⁽²⁾	NM	NM	Y	N	NR</			

LSZ36	6/29/2016	N	Y	152 ⁽²⁾	152 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0
	7/7/2016	N	Y	NM	NM	0.06 ⁽¹⁾	N	Y	---	---	---	0
	7/11/2016	N	Y	NM	145 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0
	8/2/2016	N	Y	NM	145 ⁽²⁾	0.04 ⁽¹⁾	N	Y	---	---	---	0
	8/10/2016	N	Y	NM	145 ⁽²⁾	0.04 ⁽¹⁾	N	Y	---	---	---	0
	8/15/2016	N	Y	NM	146 ⁽²⁾	0.01 ⁽¹⁾	N	Y	---	---	---	0
	8/26/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	8/30/2016	N	Y	NM	148 ⁽²⁾	0.17 ⁽¹⁾	N	Y	---	---	---	0
	9/14/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	10/14/2016	N	Y	148 ⁽²⁾	151 ⁽²⁾	3 ⁽¹⁾	N	Y	---	---	---	0
	10/16/2016	N	Y	148 ⁽²⁾	151 ⁽²⁾	3 ⁽¹⁾	N	Y	---	---	---	0
	10/21/2016	N	Y	148 ⁽²⁾	151 ⁽²⁾	3 ⁽¹⁾	Y	Y	NM	150	Sheen	9
	10/25/2016	N	Sheen	NM	150 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	11/18/2016	N	Sheen	NM	148 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
LSZ37	5/23/2016	Y	Y	138.40	185.80	47.40	N	Y	---	---	---	0
	5/24/2016	Y	Y	NR	NR	NR	Y	Y	145.1	161.7	16.56	60
	5/25/2016	Y	Y	NR	NR	NR	Y	Y	148.6	149.60	1.05	25
	5/25/2016	Y	Y	148.45	149.51	1.06	N	Y	---	---	---	0
	5/26/2016	Y	Y	148.46	149.5	1.04	N	Y	---	---	---	0
	5/26/2016	Y	Y	148.42	149.54	1.12	N	Y	---	---	---	0
	5/27/2016	Y	Y	148.31	149.5	1.19	N	Y	---	---	---	0
	5/31/2016	Y	Y	148.31	149.49	1.18	N	Y	---	---	---	0
	6/2/2016	Y	Y	NR	NR	NR	Y	Y	149.12	150.11	0.99	17
	6/3/2016	Y	Y	148.66	148.70	0.04	N	Y	---	---	---	0
	7/1/2016	Y	N	---	148.58	---	N	N	---	---	---	0
	7/15/2016	Y	N	---	148.45	---	N	N	---	---	---	0
	7/29/2016	Y	N	---	148.29	---	N	N	---	---	---	0
	8/5/2016	Y	N	---	148.45	---	N	N	---	---	---	0
	9/2/2016	Y	Y	148.11	148.16	0.05	N	Y	---	---	---	0
	10/7/2016	Y	Y	147.86	147.92	0.06	N	Y	---	---	---	0
	11/17/2016 ⁽⁹⁾	---	---	---	---	---	---	---	---	---	---	0
LSZ38	5/23/2016	Y	Y	145.33	156.19	10.86	N	Y	---	---	---	0
	5/24/2016	Y	Y	NR	NR	NR	Y	Y	148.5	149.58	1.08	15
	5/25/2016	Y	Y	148.55	149.70	1.15	N	Y	---	---	---	0
	5/25/2016	Y	Y	148.47	149.66	1.19	N	Y	---	---	---	0
	5/26/2016	Y	Y	148.51	149.76	1.25	N	Y	---	---	---	0
	5/26/2016	Y	Y	148.42	149.61	1.19	N	Y	---	---	---	0
	5/27/2016	Y	Y	148.34	149.58	1.24	N	Y	---	---	---	0
	5/31/2016	Y	Y	148.33	149.61	1.28	N	Y	---	---	---	0
	6/3/2016	Y	Y	148.41	149.62	1.21	N	Y	---	---	---	0
	7/1/2016	Y	N	---	148.33	---	N	N	---	---	---	0
	7/15/2016	Y	N	---	148.22	---	N	N	---	---	---	0
	7/29/2016	Y	N	---	148.02	---	N	N	---	---	---	0
	8/5/2016	Y	N	---	148.65	---	N	N	---	---	---	0
	9/2/2016	Y	Y	147.87	149.07	1.20	N	Y	---	---	---	0
	10/7/2016	Y	Y	147.62	148.81	1.19	N	Y	---	---	---	0
LSZ39	5/19/2016	Y	Y	NR	NR	NR	N	Y	---	---	---	0
	5/23/2016	Y	Y	135.78	191.02	55.24	N	Y	---	---	---	0
	5/26/2016	Y	Y	135.91	191.2	55.29	N	Y	---	---	---	0
	6/1/2016	Y	Y	135.85	190.8	54.95	Y	Y	150.16	152.45	2.29	80
	6/1/2016	Y	Y	148.49	150.82	2.33	N	Y	---	---	---	0
	6/1/2016	Y	Y	148.71	151.09	2.38	N	Y	---	---	---	0
	6/3/2016	Y	Y	148.71	151.11	2.40	N	Y	---	---	---	0
	7/1/2016	Y	N	---	149.18	---	N	N	---	---	---	0
	7/15/2016	Y	N	---	149.05	---	N	N	---	---	---	0
	7/29/2016	Y	N	---	148.81	---	N	N	---	---	---	0
	8/5/2016	Y	N	---	148.83	---	N	N	---	---	---	0
	9/2/2016	Y	Y	148.71	148.78	0.07	N	Y	---	---	---	0
	10/7/2016	Y	N	---	148.50	---	N	N	---	---	---	0
	11/15/2016 ⁽⁹⁾	---	---	---	---	---	---	---	---	---	---	0
LSZ40	11/8/2016	N	Y	132 ⁽²⁾	166 ⁽²⁾	34 ⁽¹⁾	Y	Y	NM	147 ⁽²⁾	0.08 ⁽¹⁾	95
LSZ41	7/20/2016	N	N	---	147 ⁽²⁾	---	N	N	---	---	---	0
	7/28/2016	N	N	---	150 ⁽²⁾	---	N	N	---	---	---	0
	8/2/2016	N	N	---	150 ⁽²⁾	---	N	N	---	---	---	0
	8/16/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	8/30/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	9/29/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
LSZ42	7/19/2016	N	Y	143 ⁽²⁾	151 ⁽²⁾	8 ⁽¹⁾	N	Y	---	---	---	0
	7/29/2016	N	Y	143 ⁽²⁾	149 ⁽²⁾	6 ⁽¹⁾	Y	Y	NR	148 ⁽²⁾	0.5 ⁽¹⁾	36
	8/3/2016	N	Y	NM	148 ⁽²⁾	0.04 ⁽¹⁾	N	Y	---	---	---	0
	8/10/2016	N	Y	NM	148 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
	8/15/2016	N	Y	NM	148 ⁽²⁾	0.04 ⁽¹⁾	N	Y	---	---	---	0
	8/23/2016	N	Y	NM	147 ⁽²⁾	0.5 ⁽¹⁾	N	Y	---	---	---	0
	8/30/2016	N	Y	NM	148 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
	9/6/2016	N</td										

	10/14/2016	N	Y	NM	148 ⁽²⁾	0.04 ⁽¹⁾		N	Y	---	---	---	0
	10/25/2016	N	Y	NM	146 ⁽²⁾	0.08 ⁽¹⁾		N	Y	---	---	---	0
	11/1/2016	N	Y	NM	146 ⁽²⁾	0.04 ⁽¹⁾		N	Y	---	---	---	0
LSZ42	11/18/2016	N	Y	NM	147 ⁽²⁾	0.38 ⁽¹⁾		N	Y	---	---	---	0
	7/20/2016	N	N	---	146 ⁽²⁾	---		N	N	---	---	---	0
	7/25/2016	N	N	---	145 ⁽²⁾	---		N	N	---	---	---	0
	8/2/2016	N	N	---	145 ⁽²⁾	---		N	N	---	---	---	0
	8/16/2016	N	N	---	146 ⁽²⁾	---		N	N	---	---	---	0
	8/30/2016	N	N	---	146 ⁽²⁾	---		N	N	---	---	---	0
LSZ43*	9/29/2016	N	N	---	146 ⁽²⁾	---		N	N	---	---	---	0
	7/8/2016	Y	N	---	144.70	---		N	N	---	---	---	0
	7/15/2016	Y	N	---	150.33	---		N	N	---	---	---	0
	7/29/2016	Y	N	---	150.12	---		N	N	---	---	---	0
	8/5/2016	Y	N	---	150.15	---		N	N	---	---	---	0
	9/2/2016	Y	N	---	150.14	---		N	N	---	---	---	0
LSZ44*	10/7/2016	Y	N	---	149.70	---		N	N	---	---	---	0
	6/27/2016	Y	N	---	151.61	---		N	N	---	---	---	0
	7/8/2016	Y	N	---	148.94	---		N	N	---	---	---	0
	7/11/2016	Y	N	---	145.00	---		N	N	---	---	---	0
	7/15/2016	Y	N	---	148.89	---		N	N	---	---	---	0
	7/22/2016	Y	N	---	148.65	---		N	N	---	---	---	0
	8/5/2016	Y	N	---	148.73	---		N	N	---	---	---	0
	9/2/2016	Y	N	---	148.46	---		N	N	---	---	---	0
LSZ45*	10/7/2016	Y	N	---	148.27	---		N	N	---	---	---	0
	6/27/2016	Y	N	---	148.05	---		N	N	---	---	---	0
	7/8/2016	Y	N	---	147.95	---		N	N	---	---	---	0
	7/15/2016	Y	N	---	147.87	---		N	N	---	---	---	0
	7/29/2016	Y	N	---	147.71	---		N	N	---	---	---	0
	8/5/2016	Y	N	---	147.73	---		N	N	---	---	---	0
	9/2/2016	Y	Y	147.47	147.48	0.01		N	Y	---	---	---	0
LSZ46*	10/7/2016	Y	N	---	147.27	---		N	N	---	---	---	0
	6/14/2016	Y	N	---	145.67	---		N	N	---	---	---	0
	7/8/2016	Y	N	---	145.93	---		N	N	---	---	---	0
	7/15/2016	Y	N	---	145.85	---		N	N	---	---	---	0
	7/29/2016	Y	N	---	145.74	---		N	N	---	---	---	0
	8/5/2016	Y	N	---	145.69	---		N	N	---	---	---	0
	9/2/2016	Y	Y	145.50	145.51	0.01		N	Y	---	---	---	0
	9/30/2016	Y	N	---	145.37	---		N	N	---	---	---	0
	6/14/2016	Y	N	---	145.26	---		N	N	---	---	---	0
	7/8/2016	Y	N	---	144.70	---		N	N	---	---	---	0
	7/15/2016	Y	Y	144.60	146.82	2.22		N	Y	---	---	---	0
	7/29/2016	Y	Y	144.48	146.69	2.21		N	Y	---	---	---	0
	8/5/2016	Y	N	---	144.42	---		N	N	---	---	---	0
	8/12/2016	Y	Y	144.42	146.62	2.20		N	Y	---	---	---	0
	8/19/2016	Y	Y	144.46	146.56	2.10		N	Y	---	---	---	0
	8/26/2016	Y	N	---	144.36	---		N	N	---	---	---	0
	9/2/2016	Y	Y	144.20	146.44	2.24		Y	N	---	147.00	0	5
	9/9/2016	Y	Y	144.78	144.81	0.03		N	Y	---	---	---	0
	9/16/2016	Y	N	---	144.69	---		N	N	---	---	---	0
	9/23/2016	Y	Y	144.60	144.68	0.08		N	Y	---	---	---	0
	9/30/2016	Y	N	---	144.55	---		N	N	---	---	---	0
	10/7/2016	Y	Y	144.57	144.62	0.05		N	Y	---	---	---	0
	10/21/2016	Y	Y	144.49	144.54	0.05		N	Y	---	---	---	0
LSZ50*	10/28/2016	Y	Y	144.21	144.27	0.06		N	Y	---	---	---	0
	7/8/2016	Y	N	---	149.00	---		N	N	---	---	---	0
	7/15/2016	Y	N	---	148.89	---		N	N	---	---	---	0
	7/29/2016	Y	N	---	148.71	---		N	N	---	---	---	0
	8/5/2016	Y	N	---	148.74	---		N	N	---	---	---	0
	9/2/2016	Y	N	---	148.50	---		N	N	---	---	---	0
LSZ52*	10/7/2016	Y	N	---	148.26	---		N	N	---	---	---	0

NM = Not measured due to temperature interference.

NR = Not recorded.

--- = No NAPL present. Measurement not performed.

* = Newly installed well.

Notes:

(1) LNAPL estimated using PTFE bailer, not interface probe.

(2) Depth measured using a bailer.

(3) Depth measured using a tagline.

(4) LNAPL recovered included water.

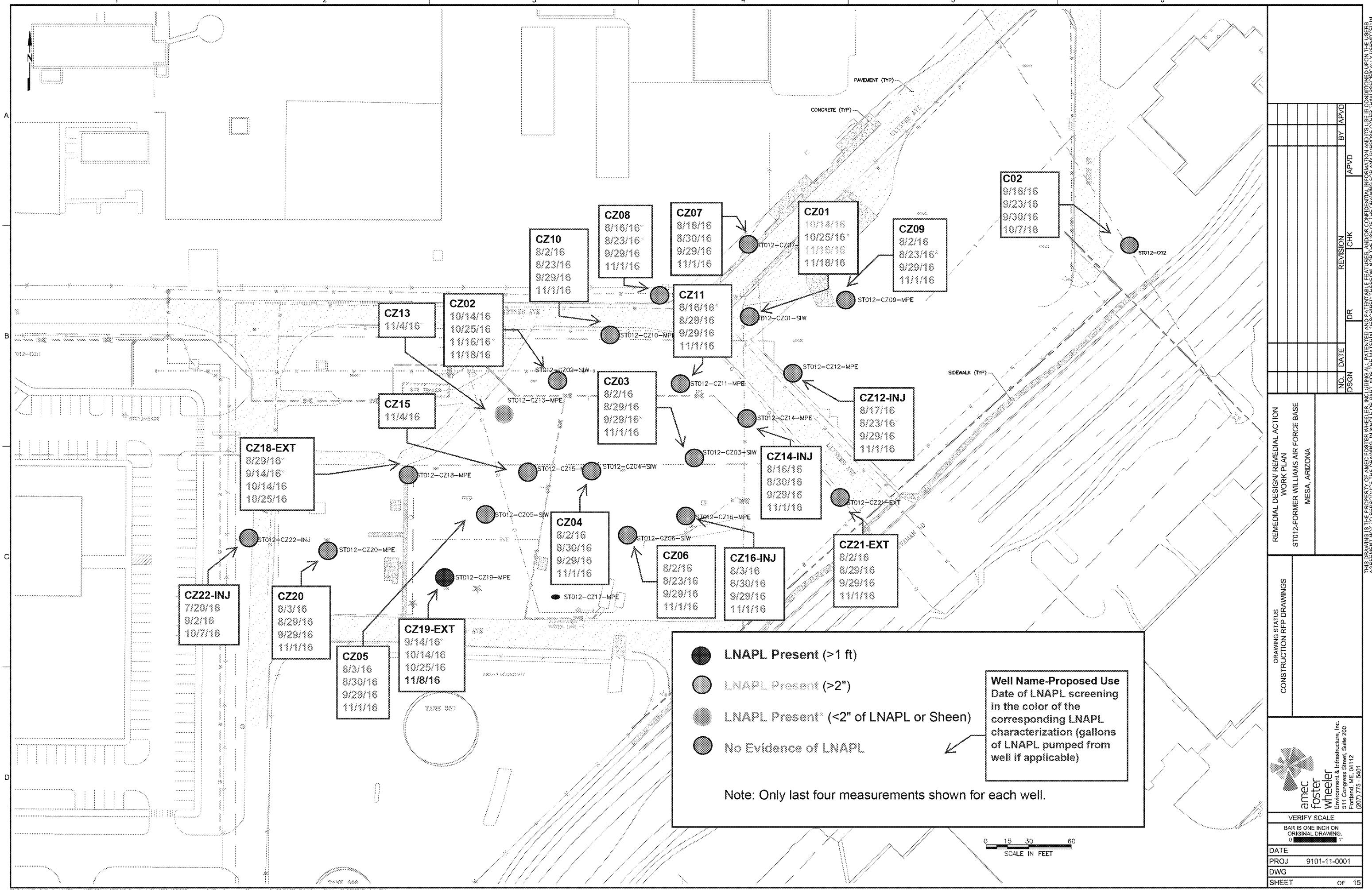
(5) Dual screened well location monitored for LNAPL in the upper interval only.

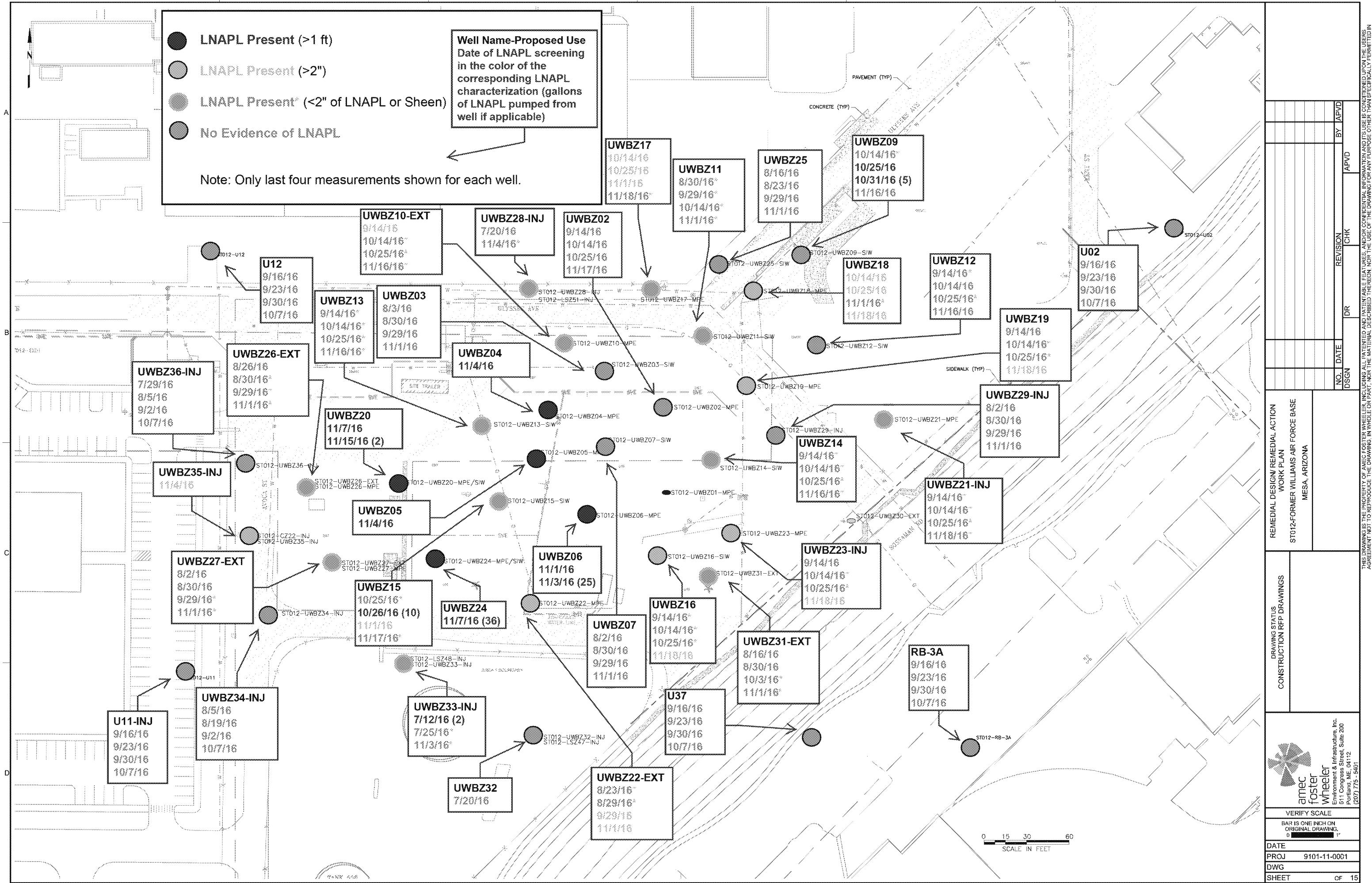
(6) Dual screened well location monitored for LNAPL in the lower interval only.

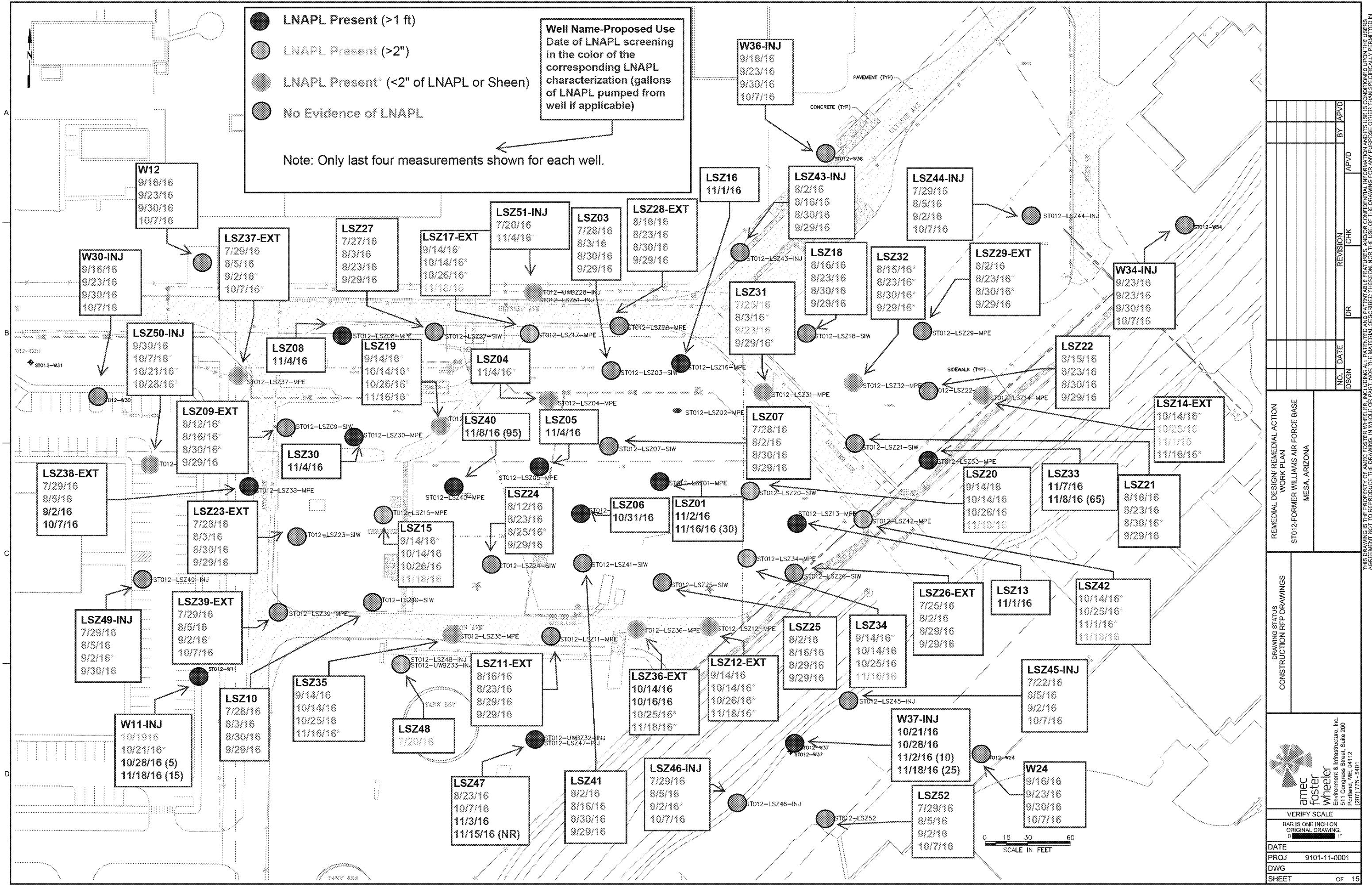
(7) Dual screened well location was monitored after packer were pulled from well.

(8) Depth to water couldn't be determined via interface probe due to water temperatures exceeding probe limits at the depth recorded.

(9) Extraction well pump installed for active containment system. Regular monitoring and removal of LNAPL ceases at this well due to access issues.







THIS DRAWING IS THE PROPERTY OF AMEC FOSTER WHEELER INC. AND CONTAINS CONFIDENTIAL INFORMATION WHICH IS THE PROPERTY OF AMEC FOSTER WHEELER INC. AGREEMENT NOT TO REPRODUCE OR DISCLOSE THIS INFORMATION IS MADE FOR ANY PURPOSE OTHER THAN SPECIFICALLY PERMITTED IN THE AGREEMENT.

Project Name: STO12
Project Number: 9101110001.5300.
Date: 11/16/11

Page 1 of



Boring ID: CZ 23

Boring Location:	CZ 23 Cellphone lot				Logged By: Garrett Taber
Elevation and Datum:					Project Manager: Gwen Hiniker
Start Date:	11/16/11				Drilling Contractor: VJD
Completion Date:					Drill Rig Type: Mini Sonic
Total Depth Drilled:					Casing Size: 8" casing, 7" core
Depth to Water:					Soil Sampling Method:
Depth ft MSL	Sample ID	pH (ppm)	NAP Test Net Apparent Pore Pressure	USCS	Soil Classification, Description and Notes
0				S	<u>USCS Name</u> Soil description (i.e. % by weight, gradation, angularity) starting with largest percent, cementation, plasticity, color, moisture, odor, staining. Include additional descriptive information in the soil description or notes.
5					UNKNOWN Disturbed from postholing
10					Silty Sand c 10% 40% sand pred UF-m GRN SA/SR 15% - silt 5% - gravel F GRN SA/SR W.C., NPL, red-brown, dry, no shells, no silt
15					
20					
25					

Notes: below 16' No gravel
Silt to 20%
sand pred UF-F GRN

Project Name:

Page ____ of ____

Project Number:

Date: 11/16/14

Boring ID:

CZ23

Depth (ft)	Sample ID	P	L	V	Soil Classification and Notes Name (USCS Symbol): color, moisture, material with description [i.e. % by weight, gradation, angularity] starting with largest percent, cementation, plasticity, odor, staining, any additional information
		I D (MM)	C %	S %	
25	O	sm			Silty sand (1 in) Note: 24'-28' WC to MC
30	O				
32					
35	O				Foot Well Graded Sand @ 33' 90% sand UF-C Grn silt 5% gravel F Grn silt 5% silt WC, NPI, Brown, dry, no odor no stain
36		sm			Silty sand @ 36'
40	O				60% sand UF-Pd UF-F Grn silt 20% silt WC to MC, NPI, red-brown, dry No odor no stain
45	O				Note: Below 45' silt increased to 30%
50					

Project Name: _____

Page ____ of ____

Project Number: _____

Date: 11/16/16

Boring ID: C223

Depth below Ground Surface (feet)	Sample ID	P	L	C	S	Soil Classification and Notes	
		5D	2A	3	5	Name (USCS Symbol): color, moisture, material with description [i.e. % by weight, gradation, angularity] starting with largest percent, cementation, plasticity, odor, staining, any additional information	
50		5.9	SP			<u>Silty Sand (Con)</u>	
55		0.9					
60		2.7				Note: 60'-62' Moderately cemented	
65		3.2					
70		5.1				Note: 70'-71' F6 sand lens	
75		SP					

Argly Graded sand 0-73'
95% sand med JF-E Grr 34.8E
5% silt

NC, NPL, Brown, dry, no shrub

Scanned by CamScanner

Project Name:

Page ____ of ____

Contract Number:

11/16/14

Boring ID: C723

Ground Surface (feet)	Sample ID	P	L	N	A	P	S	Soil Classification and Notes	
		E	N	A	P	C	S	Name (USCS Symbol): color, moisture, material with description [i.e. % by weight, gradation, angularity] starting with largest percent, cementation, plasticity, odor, staining, any additional information	
75		2.5		SP				Poorly graded sand (con)	
80		3.1		SM				Note: 79.5 - 80' Moderately cemented Silty Sand @ 80' 70% sand prod VF-F Gm S/SR 30% silt WL, NPL, Brown, dry, no odor no stain	
85		4.7						Note: 82'- 84' Moderately cemented	
90		6.6			SP			Note: 86' - 98' MC Zone 100' moderately cemented Poorly Graded Sand @ 91'	
95		0.4		SM				80% sand prod VF-F Gm S/SR 5% gravel F Gm 5% silt WL, NPL, Brown, dry, no stain no odor	
100								Silty Sand @ 98' 70% sand prod VF-F Gm S/SR 30% silt WL, NPL, Brown, dry, no stain no odor	

Project Name: _____

Page ____ of ____

Project Number: _____

Date: _____

11/16/14

Boring ID: _____

CZ 23

Ground Surface (feet)	Sample ID	P t P (ppm)	L N I	V S L S	Soil Classification and Notes Name (USCS Symbol): color, moisture, material with description (i.e. % by weight, gradation, angularity) starting with largest percent, cementation, plasticity, odor, staining, any additional information
100		1.5	SM		Silty Sand (con) Note: Below 100' ~5% dry loam P1
105		3.3			
110		3.0	SP		Poorly Graded Sand @ 110' 90% - sand pred UF-F GRN S4/S2 5% - silt 5% - gravel - F-C GRN S4/S2 WC, NP), Brown, dry, no stain no odor
115		0.0		SM	Note: 116'- 117' lens of M-C GRN sand
120		0.0			Silty Sand @ 117' 75% sand pred UF-F S4/S2 25% silt WC to NC, NP, Brown, dry, no stain no odor
125					Note: 120.25'- 122' sand lens pred UF-F Sand

Project Name: STO12

Page ____ of ____



Project Number:

Date: 11/17/16

Boring ID: C723

Depth Below Ground Surface (feet)	Sample ID	D (ppm)	L (%)	USCS	Soil Classification and Notes Name (USCS Symbol): color, moisture, material with description (i.e. % by weight, gradation, angularity) starting with largest percent, cementation, plasticity, odor, staining, any additional information
125		0.0	5%	SM	Silty Sand (Caw) Note: 124 - 130' ~5% clay low Pl less with sand 60%
126	127	SS/2	80		
130		0.0			Note: Below 130' sand 75% sil 25%
135		0			
140		0		SW	Well graded Sand w/ gravel @ 140' 75% sand VF-C Grav SW/SLK 20% gravel F-C Grav SA/SL 5% sil/lt
145	11.5	SD-SL	52		60% Poorly graded sand w/ clay 85% sand pred VF-M Grav 10% clay 5% sil/lt Note: 140-150' brown, moist, no odor no staining
150					

Project Name: ST012
Project Number:
Date: 11/17/16

Page _____ of _____

Boring ID: C223

Depth (ft)	Sample ID	P I D	C A P	USCS	Soil Classification and Notes
150	2.3 (C151)	34.9	3W		Well Graded Sand w/ gravel 0-10' 50% sand VFC-C on SWSL 20% gravel G-C on SWSL NC, NP, Brown, wet, foul odor, no stain
155	2.153	34.9		SW	silty sand @ 155' 70% sand good drainage 25% silt 5% clay WC to ml, Low comp., Brown wet slight foul odor, no stain
160	0				Note: 160'-162' slight increase in clay content
165	0				Note: 164'-166' slight increase in clay content
170	0.9				Note: 165'-170' below 0.9' all clay
175					

Project Name: _____

Page ____ of ____

Project Number: _____

Date: 11/17/11Boring ID: CZ23

Depth ft m	Sample ID	P	L	S	Soil Classification and Notes Name (USCS Symbol); color, moisture, material with description [i.e. % by weight, gradation, angularity] starting with largest percentage cementation, plasticity, odor, staining, any additional information
		+/-	N/A	-	
175	Dragon -		SW		Well graded sand with gravel 55% sand UF-C Grav SA/SR 45% gravel F-C Grav NC, NP, Brown, wet, fuel odor No stains
180	① 190' 3346 lens				Silty Sand @ 181' 70% sand pred UF-FGm Sh 25% silt 5% clay MC to SC, NPI to Low Pl, Brown, dry No stain No odor
185	0				
190	0	SC			Clayey Sand @ 190' 70% sand pred UF-FGm 20% clay NC, Low to mid Pl, Brown, wet no odor
195					Note: 194-194.5' sandy lens C-Grav no odor
200					T-De 195